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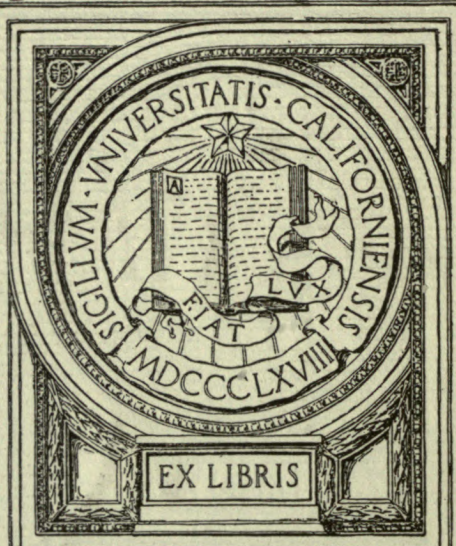

EX LIBRIS

A CATALOGUE

OF

8560 ASTROGRAPHIC STANDARD STARS

BETWEEN DECLINATIONS $-40°$ AND $-52°$

FOR THE EQUINOX

1900

FROM OBSERVATIONS MADE AT THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

DURING THE YEARS 1896-99,

UNDER THE DIRECTION OF

SIR DAVID GILL, K.C.B., LL.D., Sc.D., F.R.S., Hon. F.R.S.E., &c.,

HIS MAJESTY'S ASTRONOMER AT THE CAPE.

WITH APPENDICES.

I.—Comparison with other Catalogues and Derivation of Proper Motions.
II.—Mean Declinations of 197 Fundamental Stars.
III.—Catalogue of 134 Miscellaneous Stars.

PUBLISHED BY ORDER OF THE LORDS COMMISSIONERS OF THE ADMIRALTY IN OBEDIENCE TO HIS MAJESTY'S COMMAND.

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Univ. of California

CATALOGUE OF ASTROGRAPHIC STANDARD STARS FOR THE ZONES BETWEEN DEC. −40° AND −52°.

INTRODUCTION.

The stars contained in the following Catalogue are those which were selected as "Standards" for determining the constants of each photographic plate that enters into the programme of the International Astrographic Congress for the Cape Zones between the Declinations −40° and −52°.

The Catalogue contains 8560 stars whose positions are given for the epoch of observation and the Equinox 1900.

The original working list was prepared with great care as regards the best geometrical distribution of the stars, and the avoidance of stars either exceedingly bright or very faint. The ideal was to select for each plate 8 stars distributed uniformly round the circumference of a circle of about 55′ diameter, whose centre coincides with the centre of the plate, and, in addition, two stars near the centre of each plate. Needless to say this condition can only be approximately fulfilled, but for nearly every plate it will be found that our Catalogue contains 10 stars situated with reasonable approximation to the ideal distribution.

As every plate is overlapped by four others, it is impossible to form a Catalogue such that it shall contain 10 stars, well distributed for every plate, and no more, because the 10 stars nearest to the ideal positions for one plate would, in many instances, not be the most suitable for the overlapping plates. Thus, do what we may, the number of standard stars must, on the whole, considerably exceed 10 for each plate; in fact, it amounts in several cases to 17 or 18, and on the average, to 12 or 13 per plate.

For a few of the plates there are only nine "standards," because some star originally selected was subsequently found to be a close double, or in some other way unsuitable for exact observation, and no other star could be advantageously substituted without upsetting the selection of stars already observed.

The stars between Declination −40° and −44° were observed in the years 1896 and 1897, those between Declinations −44° and −48° in 1898, and those between −48° and −52° in 1899.

It is now to me a matter of regret that a larger number of the brighter and better known stars was not added to the list, as they would have served for a more rigorous comparison with the older Catalogues than is now possible.

The methods of observation are fully described in the volumes of Cape Meridian Observations 1896–97 and 1898–99, where the separate results, reduced to the Equinox 1900, are given in detail.

The watch on each night was divided between two observers. During the first half of the watch Observer A tapped the transits on the Chronograph and made the pointings with the Declination-micrometer, whilst Observer B read and recorded the microscopes and wrote down the name of the star and the readings of the Declination-

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micrometer as called out by Observer A. The observers exchanged duties during the second half of the night's work.

As a rule, three clock-stars were observed by each observer, and it was finally determined, for the preliminary reductions, to reduce the results of each observer *not* with the combined determination of clock-error of both observers (duly corrected for personal equation), but simply with the clock-error determined by himself. This plan left the determination of clock-error somewhat weak, but, as will be seen subsequently, it permitted a safer and more rigorous course to be taken in the definitive reduction.

The combinations adopted for the Level, Nadir, and Azimuth are given in detail in the introductions to the Annual Volumes.

The separate results given in the Annual Volumes are therefore to be regarded as preliminary ones, the Right Ascensions depending on Auwers' places of the clock-stars, and the Declinations on determinations of the Nadir Point combined with an adopted approximate constant value of the latitude.

Corrections applicable to the Results in the Annual Volumes.

In discussing the corrections applicable to the individual preliminary results which are published in the Annual Volumes, it is convenient to regard all the observations of the same observer on a particular night as belonging to a separate zone. These corrections may be written in the form—

$$\Delta\alpha = \Delta t + \mathrm{M} + \mathrm{Z}_\alpha.$$
$$\Delta\delta = (\varphi - \varphi_o) + \Delta r + \mathrm{Z}_\delta.$$

where

Δt and Z_α	depend	on	the Zone.
M	depends	on	the observer and star's magnitude.
$(\varphi - \varphi_o)$	,,	,,	date of observation.
Δr	,,	,,	Declination.
Z_δ	,,	,,	Zone.

Δt represents the correction required to reduce the mean R.A. of the three clock-stars observed for the zone from their mean R.A. in the A.G.C. to their mean R.A. in Newcomb.

M is the correction (due to personality depending on magnitude) which is required to reduce the Right Ascension of the particular star to the observers' habit of observing clock-stars (mean magnitude 4·0).

Z_α is the correction for a small systematic error in R.A. which is applicable to all stars of the same zone because of the small number of clock-stars employed, and perhaps also because of small outstanding errors in the adopted values of Level, Collimation, and Azimuth.

$(\varphi - \varphi_o)$ is the correction required on account of the Chandler Variation of Latitude.

Δr is a correction depending on the Flexure, the error of the adopted mean latitude and the error of the refraction-tables.

Z_δ is the correction required on account of small possible errors in the determination of Nadir or which may be due to abnormal refraction or irregular heating or flexure of the instrument.

The values of M are as follows; the method of their derivation is described in the Introduction to the Cape Meridian Observations, 1900 to 1904.

Values of M *for different Observers and Magnitudes.*

Mag.	Observer.					
	P	C	JP	AP	W	AC
	s	s	s	s	s	s
1	·000	·000	+ ·059	+ ·074	+ ·004	·000
2	·000	·000	+ ·035	+ ·046	+ ·002	·000
3	·000	·000	+ ·016	+ ·021	+ ·001	·000
4	..	..	..	..	..	..
5	— ·007	— ·006	— ·012	— ·018	— ·001	— ·003
6	— ·025	— ·014	— ·021	— ·033	— ·001	— ·012
7	— ·053	— ·023	— ·026	— ·044	— ·002	— ·026
8	— ·091	— ·034	— ·028	— ·052	— ·002	— ·044
9	— ·139	— ·046	— ·026	— ·056	— ·002	— ·069
10	— ·197	— ·059	— ·020	— ·057	— ·002	— ·098

The values of Δt are given in the tables at pp. ix. to xxi. for each zone.

For the Declinations. The original results which are published in the Annual Volumes were derived from the Nadir observations on the assumption that the mean latitude is—

$$-33^\circ\ 56'\ 3''\cdot 20,$$

and without regard to change of latitude or flexure of the instrument, and on the assumption that the true refraction is given by Bessel's *Tabulæ Regiomontanæ*.

The actual results for flexure, as determined by the Horizontal Collimators, were :—

Year.	No. of Determinations.	Correction of Z.D. for Flexure.
1896 - - - -	52	— 0″·26 sin Z.D.
1897 - - - -	43	— ·19
1898 - - - -	21	— ·30
1899 - - - -	21	— ·26
	Mean -	— 0″·25 sin Z.D.

A previous discussion (Cape Catalogue, 1885, p. xxxvii) showed that at the Cape the refractions of the *Tab. Reg.* require to be multiplied by (1 − 0·00218). Applying these corrections and the after-mentioned corrections for change of latitude to all the observations of circumpolar stars observed, both at Upper and Lower Transit, in the years 1896–99, the mean latitude was found to be—

$$-33^\circ\ 56'\ 3''\cdot46,$$

or a correction of $-0''\cdot26$ to the Latitude which was adopted for the formation of the Declinations contained in the Annual Volumes. This result is in practical agreement with that found from the discussion of the circumpolar stars observed in 1885 to 1895. (*See* Cape Catalogue, 1890. Introduction, p. xxiv.), viz.:—

$$-33^\circ\ 56'\ 3''\cdot45.$$

We have therefore—

$$\Delta r = -0''\cdot26 + 0''\cdot25 \sin z + 0\cdot00218\ \mathrm{R},$$

where

z is the Zenith Distance of the star (reckoned + towards South).
R is the Refraction computed from the *Tab. Reg.*

The corresponding constant corrections to the Declinations of the various zones were adopted as follows:—

	Corr.		Adopted Values of Δr.	
	°	″	° °	″
For Dec.	− 40	− 0·22	− 40 to 44	− 0·21
	− 44	− ·20	− 44 to 48	− 0·18
	− 48	− ·17		
	− 52	− ·14	− 48 to 52	− 0·15

to which have to be added $(\varphi - \varphi_0)$ on account of the Chandler Change of Latitude.

These corrections were applied to all the observations of a selected list of stars for the determination of Z_δ.

Determination of Z_α *and* Z_δ.

The ideal method of determining the values of Z_α and Z_δ for any particular observed zone would have been to apply to all the separate observations of Right Ascension the corresponding corrections $(\Delta t + \mathrm{M})$, and to all the Declinations the corresponding corrections $(\varphi - \varphi_0)$, and then compare the separate results of the observations of all the stars by the same observer on the same night with the corresponding mean places of these stars derived from all the nights of observation.

Instead of this, as 40 or 50 stars were often observed in a single zone, 10 stars only were selected in each zone to determine Z_α and Z_δ. But in making this selection care was taken to employ for the purpose the stars observed by as many different observers as possible, and which, at the same time, were well distributed throughout the zone. The values of Z_α and of Z_δ were then derived from each star, in the manner already described, and the mean values were adopted for the zone.

Take, for example, the zones observed on 1898 November 29.

The following tables give the corrections Z_α and Z_δ, as derived for each of the 10 selected stars in each of the two zones :—

1898 Nov. 29. Observer P. Zone RA. $1^h\ 10^m$ to $2^h\ 48^m$.					1898 Nov. 29.. Observer A.P. Zone RA. $2^h\ 50^m$ to $4^h\ 29^m$.				
Star.	α	Mag.	Z_α	Z_δ	Star.	α	Mag.	Z_α	Z_δ
	h m		s	"		h m		s	"
397	1 10	9·3	+ 0·02	− 0·26	957	2 51	8·9	− 0·03	− 0·62
599	48	9·2	+ ·03	− ·67	1002	3 0	8·3	− ·04	− 1·22
694	2 5	7·5	+ ·04	− ·75	1049	9	8·1	− ·07	− 0·45
721	10	8·5	+ ·08	− ·21	1065	11	9·1	− ·04	− ·43
754	16	8·0	+ ·08	− ·91	1168	30	9·0	− ·01	− ·97
775	19	9·0	+ ·13	− ·92	1260	3 45	8·8	− ·02	− ·38
849	32	8·9	+ ·02	+ ·17	1360	4 2	8·9	− ·08	− ·52
855	34	8·8	+ ·07	− ·01	1400	9	8·4	− ·04	− ·51
891	40	9·1	+ ·10	− ·36	1458	19	8·6	− ·05	− ·71
900	2 42	9·2	+ ·03	·00	1511	4 28	8·4	− ·01	− ·70
	Mean - -		+ 0·06	− 0·39		Mean - -		− 0·04	− 0·65

These results show very clearly how considerably a zone may be systematically affected by constant errors which, in great part, can be eliminated by such a process.

The following table gives the values of Z_α and Z_δ as thus found for each zone, together with a summary of all the corrections applicable to the separate results given in the Annual Volumes.

Table of Corrections applicable to the Observations printed in the Annual Volumes.

At the top of each page is given the value of Δr = the correction applicable to all the Declinations observed within the limits of the Astrographic Standard Stars observed in that year.

Column 1 gives the date.

" 2 " the initials of the observer.

" 3 " the value of Δt, that is to say, the correction applicable in order to reduce the Right Ascensions from the system of Auwers' clock-stars to that of Newcomb.

" 4 " the value of Z_α (the correction applicable to all the observed Right Ascensions of the zone on account of outstanding error in determination of the clock-correction, of Collimation, of Level, and of Azimuth).

Column 5 gives the value of $(\varphi - \varphi_o)$ = the correction to the Declination on account of the Chandler Change of Latitude, as communicated by Dr. Albrecht.

„ 6 „ the value of Z_δ = the correction applicable to all the observed Declinations of the zone on account of error in the adopted Nadir or abnormal refraction.

„ 7 „ the sum of columns 3 + 4.

„ 8 „ the sum of columns $(5 + 6) + \Delta r$.

The complete corrections applicable to the Right Ascensions and Declinations of the Annual Volumes are therefore—

$$\Delta\alpha = (\Delta t + Z_\alpha) + M$$
$$\Delta\delta = \Delta r + (\varphi - \varphi_o) + Z_\delta,$$

where $(\Delta t + Z_\alpha)$ can be taken from column 7 of the table,

M „ „ „ the table on p. v. with the arguments "Observer" and "Magnitude,"

and $\Delta\delta$ „ „ directly from the table, column 8.

Zone $-40°$ to $-44°$. $\Delta r = -0''\cdot21$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1896		s	s	$''$	$''$	s	$''$	1896		s	s	$''$	$''$	s	$''$
Jan. 23	A.C.	+·04	·00	−0·13	+0·10	+·04	−·24	Mar. 25	P.	+·02	+·03	−0·11	−0·25	+·05	−·57
30	A.C.	+·01	+·08	−·14	+·29	+·09	−·06	25	A.C.	+·03	+·03	−·11	+·25	+·06	−·07
31	A.P.	+·02	−·02	−·14	−·12	·00	−·47	26	A.P.	+·03	−·05	−·11	−·28	−·02	−·60
31	W.	+·04	−·07	−·14	+·25	−·03	−·10	26	J.P.	+·02	+·01	−·11	−·31	+·03	−·63
								28	P.	−·04	+·09	−·11	−·30	+·05	−·62
Feb. 3	P.	+·04	·00	−·14	+·38	+·04	+·03								
								30	A.C.	+·01	+·05	−·11	+·17	+·06	−·15
3	W.	+·04	−·09	−·14	+·24	−·05	−·11								
								30	A.P.	+·02	−·02	−·11	−·19	·00	−·51
6	C.	+·03	+·02	−·14	−·49	+·05	−·84								
								31	P.	+·02	+·07	−·11	−·24	+·09	−·56
6	P.	+·01	+·09	−·14	+·18	+·10	−·17								
10	A.C.	+·02	−·02	−·14	+·49	·00	+·14	Apr. 1	C.	+·04	+·01	−·10	+·31	+·05	·00
12	W.	+·01	−·05	−·14	−·16	−·04	−·51	1	J.P.	+·02	−·04	−·10	−·19	−·02	−·50
12	C.	+·05	·00	−·14	+·20	+·05	−·15	2	A.P.	+·05	−·02	−·10	+·10	+·03	−·21
13	P.	+·05	−·01	−·14	−·06	+·04	−·41	2	A.C.	+·03	+·03	−·10	+·02	+·06	−·29
17	A.C.	+·05	−·02	−·14	+·37	+·03	+·02	4	J.P.	+·04	−·12	−·10	−·29	−·08	−·60
17	C.	+·04	·00	−·14	+·19	+·04	−·16	4	W.	+·02	+·04	−·10	−·51	+·06	−·82
24	P.	+·02	+·06	−·13	−·30	+·08	−·64	7	P.	−·04	+·09	−·10	−·05	+·05	−·36
24	W.	+·01	−·01	−·13	+·49	·00	+·15	7	W.	+·04	−·02	−·10	−·12	+·02	−·43
25	J.P.	+·04	−·07	−·13	·00	−·03	−·34	9	P.	+·02	+·03	−·09	−·41	+·05	−·71
26	A.P.	+·02	+·01	−·13	+·04	+·03	−·30	11	A.C.	+·01	+·05	−·09	+·03	+·06	−·27
26	C.	+·03	+·03	−·13	+·04	+·06	−·30	13	J.P.	+·03	−·02	−·09	−·11	+·01	−·41
27	W.	+·03	−·01	−·13	−·42	+·02	−·76	14	A.P.	+·03	+·03	−·09	+·11	+·06	−·19
27	P.	+·05	+·08	−·13	−·07	+·13	−·41	15	P.	−·02	+·02	−·09	−·21	·00	−·51
29	C.	+·02	+·03	−·13	+·21	+·05	−·13	15	W.	+·03	−·01	−·09	+·11	+·02	−·19
29	A.P.	+·02	·00	−·13	−·15	+·02	−·49	16	J.P.	+·01	−·03	−·08	+·23	−·02	−·06
								17	P.	+·03	+·03	−·08	+·14	+·06	−·15
Mar. 2	A.P.	+·02	+·03	−·13	+·32	+·05	−·02								
								20	C.	+·03	−·02	−·07	−·03	+·01	−·31
4	P.	+·04	−·02	−·13	−·76	+·02	−1·10								
								21	A.P.	+·04	−·03	−·07	+·11	+·01	−·17
7	P.	+·03	+·02	−·13	+·31	+·05	−·03								
								22	W.	+·03	−·06	−·07	+·02	−·03	−·26
7	A.C.	+·04	+·02	−·13	+·77	+·06	+·43								
								25	P.	+·05	+·01	−·07	−·40	+·06	−·68
9	C.	+·04	+·01	−·13	+·19	+·05	−·15								
								28	P.	+·01	+·06	−·06	−·22	+·07	−·49
9	A.C.	+·04	+·04	−·13	+·26	+·08	−·08								
								29	C.	+·04	−·02	−·06	+·42	+·02	+·15
12	C.	+·04	+·03	−·13	+·05	+·07	−·29								
								30	J.P.	+·04	−·11	−·05	−·03	−·07	−·29
14	J.P.	+·02	−·06	−·12	−·19	−·04	−·52								
								30	W.	+·02	−·10	−·05	+·31	−·08	+·05
16	P.	+·03	+·08	−·12	+·26	+·11	−·07								
17	J.P.	+·02	−·08	−·12	−·37	−·06	−·70	May 7	P.	+·03	+·05	−·03	−·25	+·08	−·49
17	A.C.	+·02	−·01	−·12	+·46	+·01	+·13	7	A.P.	+·05	+·03	−·03	−·27	+·08	−·51
21	C.	+·01	−·03	−·12	+·33	−·02	·00	8	C.	+·03	−·04	−·03	+·23	−·01	−·01
24	C.	+·03	+·03	−·12	+·64	+·06	+·31	9	A.C.	+·03	·00	−·03	+·52	+·03	+·28

Zone − 40° to − 44°. $\Delta r = -0''.21$.

Date.	Obs.	Δt	Z_α	$\phi-\phi_0$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$
1896		s	s	″	″	s	″
May 12	P.	+·03	+·04	−0·03	−0·31	+0·07	−·55
12	J.P.	+·03	−·11	−·03	−·02	−·08	−·26
13	W.	+·05	−·05	−·03	−·17	·00	−·41
13	A.P.	+·03	·00	−·03	−·54	+·03	−·78
16	P.	+·03	+·03	−·02	−·08	+·06	−·31
18	J.P.	+·03	−·07	−·01	+·20	−·04	−·02
19	P.	+·04	+·01	−·01	+·11	+·05	−·11
20	C.	+·04	−·01	−·01	−·01	+·03	−·23
20	A.P.	+·01	−·06	−·01	−·14	−·05	−·36
21	W.	+·04	−·06	−·01	+·06	−·02	−·16
21	J.P.	+·07	−·04	−·01	−·48	+·03	−·70
22	P.	+·05	+·04	·00	−·16	+·09	−·37
22	A.C.	+·01	+·04	·00	+·07	+·05	−·14
27	C.	+·03	·00	+·01	+·39	+·03	+·19
27	A.C.	+·03	+·03	+·01	+·27	+·06	+·07
28	P.	+·04	+·05	+·01	+·10	+·09	−·10
28	A.P.	+·05	−·01	+·01	+·19	+·04	−·01
June 3	P.	+·04	+·02	+·03	−·22	+·06	−·40
4	A.C.	+·04	+·04	+·03	·00	+·08	−·18
4	C.	+·03	−·01	+·03	+·31	+·02	+·13
8	C.	+·02	+·06	+·04	+·27	+·08	+·10
8	W.	+·03	−·03	+·04	+·15	·00	−·02
9	P.	+·01	−·01	+·05	−·08	·00	−·24
9	A.C.	+·06	+·02	+·05	+·18	+·08	+·02
15	C.	−·01	+·05	+·06	+·09	+·04	−·06
15	A.C.	+·06	+·02	+·06	−·03	+·08	−·18
16	P.	+·02	+·08	+·06	−·08	+·10	−·23
30	P.	+·05	+·04	+·09	−·66	+·09	−·78
30	A.C.	+·03	+·03	+·09	+·13	+·06	+·01
July 2	C.	+·05	−·02	+·10	+·37	+·03	+·26
2	A.P.	+·02	+·01	+·10	−·08	+·03	−·19
4	W.	+·02	−·03	+·10	−·03	−·01	−·14
4	J.P.	+·02	−·04	+·10	+·17	−·02	+·06
6	C.	+·01	+·03	+·11	+·11	+·04	+·01
6	W.	+·03	+·03	+·11	+·20	+·06	+·10
7	J.P.	+·04	−·09	+·11	−·14	−·05	−·24

Date.	Obs.	Δt	Z_α	$\phi-\phi_0$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$
1896		s	s	″	″	s	″
July 7	A.C.	+·02	·00	+0·11	+0·19	+0·02	+·09
8	C.	+·03	+·04	+·11	+·13	+·07	+·03
10	J.P.	+·04	−·06	+·12	−·22	−·02	−·31
11	P.	+·06	+·04	+·12	+·22	+·10	+·13
11	A.P.	+·04	+·04	+·12	+·22	+·08	+·13
13	A.P.	+·03	−·02	+·13	−·27	+·01	−·35
13	J.P.	+·04	−·04	+·13	−·37	·00	−·45
15	C.	+·05	·00	+·13	−·27	+·05	−·35
23	J.P.	+·03	−·04	+·15	+·21	−·01	+·15
23	A.C.	+·04	+·02	+·15	+·23	+·06	+·17
24	C.	+·03	−·04	+·15	+·70	−·01	+·64
24	A.P.	+·04	·00	+·15	−·22	+·04	−·28
25	W.	+·03	−·06	+·15	+·26	−·03	+·20
25	J.P.	+·03	+·01	+·15	+·18	+·04	+·12
31	A.P.	+·02	+·04	+·17	−·45	+·06	−·49
31	C.	+·04	+·06	+·17	+·07	+·10	+·03
Aug. 1	P.	+·03	+·07	+·17	+·21	+·10	+·17
1	A.C.	+·04	−·03	+·17	+·46	+·01	+·42
3	J.P.	+·02	−·08	+·17	+·18	−·06	+·14
3	A.P.	+·04	−·07	+·17	−·14	−·03	−·18
4	P.	+·02	+·01	+·17	−·35	+·03	−·39
6	A.P.	+·04	−·02	+·17	+·26	+·02	+·22
8	C.	+·02	+·01	+·18	−·06	+·03	−·09
8	A.C.	+·04	−·02	+·18	−·24	+·02	−·27
13	P.	+·03	−·03	+·18	−·34	·00	−·37
13	A.C.	+·04	·00	+·18	+·19	+·04	+·16
14	A.P.	+·04	−·03	+·18	+·13	+·01	+·10
15	W.	+·04	−·05	+·18	+·15	−·01	+·12
15	J.P.	+·04	−·07	+·18	−·43	−·03	−·46
20	W.	+·03	−·03	+·18	+·15	·00	+·12
20	C.	+·04	+·02	+·18	+·38	+·06	+·35
21	J.P.	+·05	−·02	+·19	−·16	+·03	−·18
21	A.C.	+·04	+·04	+·19	+·18	+·08	+·16
22	P.	+·05	+·02	+·19	−·02	+·07	−·04
22	A.P.	+·04	−·04	+·19	−·05	·00	−·07
24	A.P.	+03	−·06	+·19	+·13	−·03	+·11
25	P.	+·03	−·01	+·19	+·33	+·02	+·31

Zone − 40° to − 44°. Δr = − 0″·21.

Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1896		s	s	″	″	s	″	1896		s	s	″	″	s	″
Aug. 26	C.	+·03	+·05	+0·19	−0·22	+·08	−·24	Oct. 19	A.C.	+·02	+·09	+0·16	+0·16	+·11	+·11
29	C.	+·03	−·03	+·19	+·11	·00	+·09	20	W.	+·02	−·03	+·16	+·45	−·01	+·40
29	A.C.	+·02	−·03	+·19	+·06	−·01	+·04	20	J.P.	+·04	−·11	+·16	+·29	−·07	+·24
Sept. 2	J.P.	+·04	−·05	+·19	+·02	−·01	·00	21	P.	+·05	+·08	+·16	−·25	+·13	−·30
2	W.	+·03	·00	+·19	−·03	+·03	−·05	26	J.P.	+·04	−·02	+·14	−·26	+·02	−·33
3	P.	+·06	+·04	+·19	−·35	+·10	−·37	29	A.P	+·02	+·02	+·14	−·05	+·04	−·12
7	W.	+·04	−·05	+·19	−·06	−·01	−·08	29	J.P.	+·04	−·04	+·14	−·20	·00	−·27
7	J.P.	+·02	−·05	+·19	−·10	−·03	−·12	30	P.	+·03	+·04	+·13	+·08	+·07	·00
8	C.	+·03	+·01	+·19	+·30	+·04	+·28	Nov. 3	C.	+·05	+·02	+·12	−·29	+·07	−·38
8	P.	+·05	−·01	+·19	−·14	+·04	−·16	4	W.	+·03	+·01	+·12	+·35	+·04	+·26
9	A.P.	+·05	−·02	+·19	+·08	+·03	+·06	4	J.P.	+·03	−·05	+·12	−·04	−·02	−·13
10	J.P.	+·03	·00	+·19	+·03	+·03	+·01	5	A.C.	+·05	·00	+·12	+·55	+·05	+·46
10	W.	+·03	−·09	+·19	+·19	−·06	+·17	5	P.	+·06	+·02	+·12	−·17	+·08	−·26
11	C.	+·05	·00	+·19	−·04	+·05	−·06	7	J.P.	+·03	−·01	+·11	−·68	+·02	−·78
12	P.	+·05	+·02	+·19	−·09	+·07	−·11	7	W.	+·04	−·01	+·11	+·22	+·03	+·12
15	J.P.	+·04	−·09	+·19	+·03	−·05	+·01	10	C.	+·03	+·02	+·10	+·22	+·05	+·11
19	C.	+·04	+·05	+·19	+·29	+·09	+·27	11	P.	+·03	+·01	+·10	+·27	+·04	+·16
19	A.C.	+·02	+·07	+·19	+·14	+·09	+·12	11	A.P.	+·02	+·02	+·10	+·13	+·04	+·02
23	P.	+·04	+·09	+·18	−·29	+·13	−·32	12	C.	+·04	+·06	+·10	+·41	+·10	+·30
23	J.P.	+·03	−·06	+·18	+·23	−·03	+·20	13	A.C.	+·01	+·03	+·09	+·11	+·04	−·01
24	W.	+·04	+·01	+·18	−·01	+·05	−·04	19	J.P.	+·04	−·08	+·08	−·06	−·04	−·19
24	A.C.	+·01	+·03	+·18	+·42	+·04	+·39	19	A.P.	+·05	−·01	+·08	−·47	+·04	−·60
25	C.	+·03	+·05	+·18	+·50	+·08	+·47	20	P.	+·06	+·05	+·08	−·36	+·11	−·49
Oct. 1	C.	+·04	+·03	+·18	+·20	+·07	+·17	20	W.	+·04	+·02	+·08	+·36	+·06	+·23
2	J.P.	+·02	−·02	+·18	+·14	·00	+·11	23	P.	+·05	+·03	+·07	−·48	+·08	−·62
7	P.	+·04	+·06	+·17	−·10	+·10	−·14	24	C.	+·05	+·04	+·05	+·02	+·09	−·14
7	A.C.	+·06	+·05	+·17	+·18	+·11	+·14	24	A.P.	+·04	+·04	+·05	+·04	+·08	−·12
10	A.C.	+·02	+·03	+·17	+·54	+·05	+·50	25	W.	+·03	−·02	+·05	−·02	+·01	−·18
12	A.C.	+·05	+·07	+·17	+·05	+·12	+·01	28	J.P.	+·05	−·10	+·04	−·37	−·05	−·54
12	P.	+·05	+·10	+·17	−·26	+·15	−·30	30	C.	+·04	·00	+·04	+·06	+·04	−·11
13	C.	+·05	·00	+·17	+·12	+·05	+·08	30	W.	+·03	+·07	+·04	+·10	+·10	−·07
13	J.P.	+·04	−·09	+·17	−·20	−·05	−·24	Dec. 1	A.P.	+·05	·00	+·04	+·17	+·05	·00
14	W.	+·05	−·03	+·17	+·28	+·02	+·24	2	P.	+·06	+·01	+·03	−·14	+·07	−·32
16	A.C.	+·03	+·04	+·16	−·14	+·07	−·19	2	A.C.	+·06	+·04	+·03	−·01	+·10	−·19
16	C.	+·04	+·03	+·16	+·33	+·07	+·28	3	W.	+·04	−·02	+·03	−·18	+·02	−·36
19	C.	+·03	+·03	+·16	+·27	+·06	+·22	3	C.	+·05	−·01	+·03	+·05	+·04	−·13

Zone $-40°$ to $-44°$ $\Delta r = -0''\cdot21$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1896		s	s	″	″	s	″
Dec. 4	J.P.	+·04	−·03	+0·03	−0·41	+·01	−·59
5	P.	+·06	+·09	+·02	+·07	+·15	−·12
5	A.C.	+·04	+·06	+·02	+·20	+·10	+·01
9	C.	+·05	·00	+·01	+·07	+·05	−·13
10	A.C.	+·03	+·07	+·01	+·37	+·10	+·17
10	J.P.	+·04	−·03	+·01	−·40	+·01	−·60
11	W.	+·04	−·01	+·01	−·15	+·03	−·35
12	C.	+·03	+·02	+·01	+·21	+·05	+·01
15	C.	+·03	+·03	·00	+·36	+·06	+·15
15	A.C.	+·06	−·02	·00	+·45	+·04	+·24
16	J.P.	+·03	−·03	−·01	−·09	·00	−·31
18	C.	+·03	−·03	−·01	+1·34	·00	+1·12
18	A.C.	+·03	−·02	−·01	+1·88	+·01	+1·66
19	W.	+·04	−·03	−·01	+1·38	+·01	+1·16
21	C.	+·04	−·01	−·03	+1·10	+·03	+·86
21	W.	+·04	−·02	−·03	+·86	+·02	+·62
22	J.P.	+·04	−·10	−·03	+·62	−·06	+·38
22	A.P.	+·02	−·02	−·03	+·26	·00	+·02
23	P.	+·05	·00	−·03	+·36	+·05	+·12
28	J.P.	+·04	−·09	−·05	+·10	−·05	−·16
30	C.	+·05	+·03	−·05	+·03	+·08	−·23
1897							
Jan. 14	C.	+·04	·00	−·11	+·35	+·04	+·03
14	W.	+·02	−·04	−·11	+·15	−·02	−·17
15	A.P.	+·03	−·04	−·11	−·17	−·01	−·49
15	J.P.	+·02	−·08	−·11	−·25	−·06	−·57
16	P.	+·04	+·03	−·11	−·20	+·07	−·52
16	A.C.	+·02	+·06	−·11	+·13	+·08	−·19
18	J.P.	+·02	−·03	−·12	+·07	−·01	−·26
18	W.	+·02	−·04	−·12	−·04	−·02	−·37
19	P.	+·04	+·07	−·12	−·14	+·11	−·47
20	C.	+·03	+·05	−·12	+·52	+·08	+·19
21	W.	+·04	·00	−·12	−·21	+·04	−·54
21	J.P.	+·04	−·05	−·12	−·10	−·01	−·43
22	A.C.	+·04	+·04	−·13	−·17	+·08	−·51
22	P.	+·05	+·09	−·13	−·27	+·14	−·61
23	A.P.	+·03	+·05	−·13	+·42	+·08	+·08

Date.	Obs.	Δt	Z_α	$\phi - \phi$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1897		s	s	″	″	s	″
Jan. 23	C.	+·06	+·02	−0·13	+0·70	+·08	+·36
25	A.P.	+·02	·00	−·14	−·30	+·02	−·65
25	C.	+·03	−·02	−·14	+·10	+·01	−·25
26	P.	+·03	+·07	−·14	−·34	+·10	−·69
27	W.	+·03	−·03	−·14	+·14	·00	−·21
27	J.P.	+·02	−·06	−·14	−·57	−·04	−·92
28	P.	+·06	+·02	−·14	−·29	+·08	−·64
28	A.P.	+·03	+·02	−·14	−·63	+·05	−·98
29	C.	+·02	+·08	−·15	+·38	+·10	+·02
29	A.C.	+·04	+·07	−·15	+·27	+·11	−·09
30	J.P.	+·05	−·11	−·15	−·20	−·06	−·56
Feb. 1	C.	+·03	+·11	−·15	+·32	+·14	−·04
2	A.P.	+·04	−·02	−·16	+·54	+·02	+·17
3	P.	+·04	−·06	−·16	−·03	−·02	−·40
4	W.	+·02	−·04	−·16	+·25	−·02	−·12
4	C.	+·06	−·05	−·16	−·04	+·01	−·41
5	A.P.	+·03	+·01	−·17	−·11	+·04	−·49
5	P.	+·01	+·05	−·17	−·18	+·06	−·56
6	A.C.	+·02	+·01	−·17	+·28	+·03	−·10
8	C.	+·04	+·02	−·17	+·37	+·06	−·01
8	A.C.	+·03	·00	−·17	+·48	+·03	+·10
9	P.	+·03	+·04	−·18	−·07	+·07	−·46
10	J.P.	+·05	−·07	−·18	−·27	−·02	−·66
15	P.	+·03	+·01	−·19	−·22	+·04	−·62
16	J.P.	+·04	−·10	−·19	−·11	−·06	−·51
16	A.C.	+·03	·00	−·19	−·02	+·03	−·42
18	P.	+·04	+·08	−·19	−·70	+·12	−1·10
18	A.P.	+·03	+·05	−·19	−·54	+·08	−·94
19	J.P.	+·04	−·01	−·19	−·17	+·03	−·57
23	C.	+·03	+·01	−·21	+·53	+·04	+·11
23	A.P.	+·03	+·01	−·21	+·03	+·04	−·39
25	J.P.	+·05	−·10	−·21	−·67	−·05	−1·09
25	W.	+·04	−·15	−·21	−·25	−·11	−·67
27	P.	+·05	+·05	−·21	−·37	+·10	−·79
Mar. 3	J.P.	+·04	−·08	−·22	+·21	−·04	−·22
6	A.P.	+·02	+·04	−·22	+·51	+·06	+·08

Zone $-40°$ to $-44°$. $\Delta r = -0''\cdot21$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
		s	s	″	″	s	″			s	s	″	″	s	″
1897 Mar. 6	J.P.	+·04	−·06	−0·22	+0·58	−·02	+·15	1897 Apr. 12	A.C.	+·03	+·05	−0·22	+0·40	+·08	−·03
8	P.	+·04	+·07	−·22	−·21	+·11	−·64	13	P.	−·02	+·13	−·22	−·25	+·11	−·68
8	A.P.	−·04	+·02	−·22	−·09	−·02	−·52	13	W.	−·01	−·04	−·22	+·21	−·05	−·22
9	J.P.	+·04	−·08	−·22	+·05	−·04	−·38	15	W.	+·04	−·08	−·22	+·17	−·04	−·26
9	A.C.	+·03	+·01	−·22	+·14	+·04	−·29	20	A.P.	+·02	−·01	−·21	−·26	+·01	−·68
10	C.	+·03	·00	−·23	+·09	+·03	−·35	23	J.P.	+·03	−·03	−·21	+·21	·00	−·21
10	W.	−·06	+·06	−·23	−·06	·00	−·50	23	A.P.	+·04	−·04	−·21	−·52	·00	−·94
11	A.P.	+·03	−·07	−·23	−·13	−·04	−·57	26	J.P.	+·04	−·02	−·21	−·03	+·02	−·45
15	J.P.	+·05	−·07	−·23	+·04	−·02	−·40	26	A.C.	+·04	+·04	−·21	−·05	+·08	−·47
15	W.	−·03	+·02	−·23	+·29	−·01	−·15	27	P.	+·04	+·06	−·20	−·44	+·10	−·85
18	W.	+·02	−·03	−·23	−·19	−·01	−·63	27	W.	+·04	+·03	−·20	−·07	+·07	−·48
18	J.P.	+·02	+·02	−·23	−·08	+·04	−·52	28	C.	+·04	·00	−·20	·00	+·04	−·41
19	C.	+·03	+·01	−·23	+·25	+·04	−·19	29	A.C.	+·03	+·05	−·20	+·29	+·08	−·12
20	P.	+·03	−·03	−·23	−·20	·00	−·64	29	J.P.	+·07	−·08	−·20	+·05	−·01	−·36
20	A.C.	+·03	−·01	−·23	+·33	+·02	−·11	30	P.	+·03	+·04	−·19	−·24	+·07	−·64
25	C.	+·03	·00	−·23	−·45	+·03	−·89								
25	A.C.	−·04	−·02	−·23	−·22	−·06	−·66	May 3	J.P.	+·03	−·04	−·19	−·27	−·01	−·67
29	P.	+·02	+·09	−·23	−1·15	+·11	−1·59	4	C.	+·04	+·05	−·19	+·26	+·09	−·14
30	J.P.	+·02	−·05	−·23	+·20	−·03	−·24	5	P.	+·05	−·03	−·19	−·21	+·02	−·61
30	A.C.	+·02	+·09	−·23	+·27	+·11	−·17	7	A.C.	+·02	+·03	−·18	+·19	+·05	−·20
31	W.	+·02	·00	−·23	+·04	+·02	−·40	8	P.	+·04	+·09	−·18	−·25	+·13	−·64
31	C.	+·04	+·01	−·23	+·04	+·05	−·40	10	C.	+·05	−·01	−·18	+·39	+·04	·00
Apr. 2	P.	+·03	+·05	−·23	+·03	+·08	−·41	10	A.P.	+·04	−·03	−·18	+·13	+·01	−·26
2	J.P.	+·05	−·02	−·23	+·08	+·03	−·36	11	W.	+·03	−·09	−·17	−·48	−·06	−·86
3	C.	+·02	·00	−·23	+·27	+·02	−·17	12	J.P.	+·04	−·05	−·17	−·18	−·01	−·56
3	W.	+·03	−·06	−·23	·00	−·03	−·44	14	C.	+·02	+·04	−·17	+·47	+·06	+·09
5	W.	+·03	−·08	−·22	−·23	−·05	−·66	17	A.P.	+·01	−·01	−·16	+·38	·00	+·01
5	J.P.	+·03	−·09	−·22	−·43	−·06	−·86	19	C.	+·03	−·09	−·15	−·10	−·06	−·46
7	P.	+·04	−·03	−·22	−·18	+·01	−·61	20	A.C.	·00	+·01	−·15	+·24	+·01	−·12
7	A.C.	+·04	+·06	−·22	+·43	+·10	·00	21	J.P.	+·01	−·12	−·15	+·13	−·11	−·23
8	J.P.	+·02	−·13	−·22	−·19	−·11	−·62	22	C.	−·02	−·02	−·14	+·04	−·04	−·31
8	W.	·00	−·03	−·22	−·07	−·03	−·50	28	C.	+·04	−·02	−·13	+·07	+·02	−·27
9	C.	−·03	+·01	−·22	+·27	−·02	−·16	31	C.	+·04	+·02	−·12	−·05	+·06	−·38
9	A.P.	+·02	−·06	−·22	−·19	−·04	−·62								
10	P.	−·02	+·05	−·22	+·02	+·03	−·41	June 1	A.P.	+·03	+·02	−·12	−·11	+·05	−·44
10	A.C.	+·04	−·03	−·22	+·11	+·01	−·32	2	J.P.	+·03	−·07	−·11	−·21	−·04	−·53
12	C.	−·03	+·08	−·22	+·24	+·05	−·19	2	A.C.	+·04	+·03	−·11	+·25	+·07	−·07
								3	C.	+·04	+·04	−·11	+·20	+·08	−·12

Zone $-40°$ to $-44°$. $\Delta r = -0''\cdot21$.

Date.	Obs.	Δt	Z_α	$\phi-\phi_o$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$
1897		s	s	$''$	$''$	s	$''$
June 3	A.P.	+·04	+·01	−0·11	+0·01	+·05	−·31
8	A.C.	+·03	+·05	− ·10	+ ·23	+·08	−·08
8	J.P.	+·05	−·04	− ·10	− ·25	+·01	−·56
9	C.	+·04	+·01	− ·08	+ ·18	+·05	−·11
9	W.	+·04	−·08	− ·08	+ ·32	−·04	+·03
12	P.	+·03	+·05	− ·08	− ·24	+·08	−·53
14	W.	+·04	−·03	− ·07	+ ·11	+·01	−·17
14	J.P.	+·03	−·04	− ·07	− ·27	−·01	−·55
15	P.	+·06	+·03	− ·07	+ ·14	+·09	−·14
19	A.P.	+·02	+·10	− ·06	− ·01	+·12	−·28
26	J.P.	+·04	−·07	− ·03	− ·12	−·03	−·36
29	P.	+·04	+·05	− ·02	− ·32	+·09	−·55
29	J.P.	+·05	−·04	− ·02	− ·27	+·01	−·50
30	A.P.	+·03	+·06	− ·02	− ·22	+·09	−·45
30	W.	+·04	−·06	− ·02	− ·23	−·02	−·46
July 1	A.C.	+·03	+·06	− ·01	+ ·64	+·09	+·42
2	J.P.	+·04	−·03	− ·01	− ·34	+·01	−·56
2	A.P.	+·03	+·13	− ·01	·00	+·16	−·22
5	J.P.	+·03	−·05	+ ·01	− ·52	−·02	−·72
5	W.	+·04	−·08	+ ·01	+ ·26	−·04	+·06
6	P.	+·03	+·05	+ ·01	− ·46	+·08	−·66
8	W.	+·01	−·06	+ ·01	+ ·03	−·05	−·17
13	C.	+·02	+·02	+ ·03	+ ·22	+·04	+·04
22	A.C.	+·04	+·07	+ ·05	+ ·17	+·11	+·01
22	C.	+·04	+·09	+ ·05	− ·18	+·13	−·34
23	A.P.	+·01	+·07	+ ·06	+ ·08	+·08	−·07
27	P.	+·04	+·03	+ ·07	− ·43	+·07	−·57
27	A.C.	+·02	+·05	+ ·07	− ·18	+·07	−·32
28	A.P.	+·03	+·02	+ ·07	− ·56	+·05	−·70
28	J.P.	+·03	+·02	+ ·07	− ·02	+·05	−·16
29	C.	+·03	+·02	+ ·07	+ ·25	+·05	+·11
29	W.	+·05	−·09	+ ·07	+ ·06	−·04	−·08
Aug. 5	C.	+·03	+·05	+ ·09	+ ·48	+·08	+·36
5	J P.	+·06	−·07	+ ·09	− ·15	−·01	−·27
7	J.P.	+·05	−·04	+ ·10	− ·19	+·01	−·30
9	C.	+·03	+·03	+ ·10	+ ·27	+·06	+·16
1897							
Aug. 9	A.C.	+·04	+·09	+0·10	+0·41	+·13	+·30
12	C.	+·03	+·02	+ ·11	+ ·11	+·05	+·01
12	A.P.	+·04	+·01	+ ·11	+ ·08	+·05	−·02
13	J.P.	+·03	+·04	+ ·11	− ·12	+·07	−·22
13	A.C.	+·04	+·04	+ ·11	+ ·08	+·08	−·02
16	J.P.	+·04	−·05	+ ·12	− ·37	−·01	−·46
19	J.P.	+·06	−·11	+ ·12	− ·80	−·05	−·89
19	A.C.	+·04	+·03	+ ·12	− ·03	+·07	−·12
20	P.	+·04	+·06	+ ·12	+ ·05	+·10	−·04
20	W.	+·06	−·03	+ ·12	+ ·46	+·03	+·37
21	C.	+·06	+·01	+ ·13	·00	+·07	−·08
21	A.P.	+·04	−·01	+ ·13	− ·39	+·03	−·47
25	A.C.	+·04	+·04	+ ·14	+ ·54	+·08	+·47
25	J.P.	+·05	−·05	+ ·14	− ·53	·00	−·60
26	A.P.	+·04	+·07	+ ·14	+ ·27	+·11	+·20
27	P.	+·04	+·07	+ ·14	− ·32	+·11	−·39
28	J.P.	+·05	− 03	+ ·14	+ ·10	+·02	+·03
31	A.P.	+·04	·00	+ ·15	− ·31	+·04	−·37
31	J.P.	+·04	−·11	+ ·15	− ·06	−·07	−·12
Sept. 2	A.C.	+·04	−·07	+ ·15	*	−·03	*
2	C.	+·05	−·10	+ ·15	− ·17	−·05	−·23
3	J.P.	+·06	+·01	+ ·15	+ ·43	+·07	+·37
4	P.	+·04	+·11	+ ·15	+ ·20	+·15	+·14
4	W.	+·03	+·01	+ ·15	·00	+·04	−·06
8	C.	+·04	−·02	+ ·16	− ·56	+·02	−·61
9	J.P.	+·05	−·08	+ ·16	− ·60	−·03	−·65
11	A.P.	+·04	+·02	+ ·16	+ ·15	+·06	+·10
13	P.	+·03	+·05	+ ·17	− ·74	+·08	−·78
13	A.P.	+·04	−·01	+ ·17	− ·27	+·03	−·31
14	C.	+·02	−·01	+ ·17	+ ·16	+.01	+·12
14	W.	+·05	−·03	+ ·17	+ ·16	+·02	+·12
15	J.P.	+·06	−·05	+ ·17	+ ·17	+·01	+·13
16	P.	+·05	+·03	+ ·18	− ·04	+·08	−·07
17	W.	+·04	+·01	+ ·18	+ ·31	+·05	+·28
17	C.	+·06	−·01	+ ·18	− ·03	+·05	−·06
18	J.P.	+·03	−·04	+ ·18	− ·38	−·01	−·41
21	C.	+·02	+·01	+ ·18	+ ·21	+·03	+·18

Zone $-40°$ to $-44°$. $\Delta r = -0''\cdot21$.

Date.	Obs.	Δt	Z_α	$\phi-\phi_0$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi-\phi_0$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$
1897		s	s	″	″	s	″	1897		s	s	″	″	s	″
Sept. 23	A.P.	+·01	+·01	+0·19	+0·15	+·02	+·13	Nov. 5	A.P.	+·07	−·02	+0·21	+0·70	+·05	+·70
25	P.	+·02	+·03	+·19	−·29	+·05	−·31	5	J.P.	+·03	−·17	+·21	+·21	−·14	+·21
25	W.	+·05	−·04	+·19	−·33	+·01	−·35	11	J.P.	+·03	−·12	+·20	−·15	−·09	−·16
27	C.	+·02	−·03	+·19	+·05	−·01	+·03	11	W.	+·06	−·06	+·20	+·67	·00	+·66
27	W.	+·05	−·03	+·19	−·08	+·02	−·10	12	P.	+·04	−·07	+·20	−·35	−·03	−·36
28	P.	+·03	+·07	+·19	−·14	+·10	−·16	12	A.C.	+·04	+·01	+·20	−·43	+·05	−·44
28	A.C.	+·04	+·05	+·19	+·20	+·09	+·18	15	P.	+·06	+·02	+·20	−·17	+·08	−·18
29	A.P.	+·05	+·01	+·19	+·16	+·06	+·14	15	C.	+·04	+·03	+·20	+·44	+·07	+·43
								16	W.	+·05	+·01	+·20	+·68	+·06	+·67
Oct. 2	J P.	+·03	−·04	+·19	+·11	−·01	+·09	17	A.P.	+·03	−·01	+·20	+·42	+·02	+·41
6	J.P.	+·04	−·05	+·20	−·52	−·01	−·53	18	J.P.	+·04	+·01	+·20	−·27	+·05	−·28
6	A.C.	+·04	+·09	+·20	+·12	+·13	+·11	24	W.	+·06	−·01	+·18	·00	+·05	−·03
14	J.P.	+·02	−·05	+·21	−·02	−·03	−·02	25	A.P.	+·05	+·01	+·18	−·04	+·06	−·07
21	W.	+·05	+·03	+·21	+·40	+·08	+·40	26	J.P.	+·05	−·09	+·18	−·44	−·04	−·47
23	A.P.	+·05	−·04	+·21	−·67	+·01	−·67	27	P.	+·05	−·02	+·18	−·71	+·03	−·74
23	C.	+·05	−·02	+·21	−·13	+·03	−·13								
25	P.	+·05	+·03	+·21	−·37	+·08	−·37	Dec. 1	A.C.	+·03	+·05	+·18	+·62	+·08	+·59
26	W.	+·03	−·01	+·21	+·23	+·02	+·23	2	A.P.	+·06	+·03	+·18	−·26	+·09	−·29
26	A.C.	+·06	+·03	+·21	+·23	+·09	+·23	4	W.	+·03	−·02	+·17	−·42	+·01	−·46
27	P.	+·05	+·03	+·21	−·52	+·08	−·52	6	P.	+·03	+·03	+·16	−·37	+·06	−·42
27	C.	+·05	+·02	+·21	−·22	+·07	−·22	7	J.P.	+·04	−·01	+·16	−·78	+·03	−·83
28	J.P.	+·04	−·08	+·21	−·36	−·04	−·36	8	A.C.	+·04	+·03	+·16	+·81	+·07	+·76
28	A.P.	+·04	−·01	+·21	−·22	+·03	−·22	9	A.P.	+·03	+·05	+·15	+·46	+·08	+·40
								10	P.	+·01	+·01	+·15	−·09	+·02	−·15
Nov. 4	C.	+·06	+·05	+·21	+·22	+·11	+·22								
4	A.C.	+·03	+·04	+·21	+·13	+·07	+·13								

Zone $-44°$ to $-48°$. $\Delta r = -0''\cdot18$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
		s	s	"	"	s	"			s	s	"	"	s	"
1898 Jan. 4	C.	+·04	·00	+0·09	−0·11	+·04	−·20	1898 Feb. 16	A.P.	·00	+·01	−0·07	+0·22	+·01	−·03
4	W.	+·04	−·01	+ ·09	− ·37	+·03	−·46	17	J.P.	+·02	−·03	− ·07	+ ·09	−·01	− ·16
5	J.P.	+·04	−·06	+ ·09	+ ·13	−·02	+·04	19	J.P.	+·04	−·03	− ·07	− ·43	+·01	− ·68
6	P.	+·03	+·05	+ ·09	+ ·35	+·08	+·26	19	A.C.	−·07	·00	− ·07	+ ·01	−·07	− ·24
14	A.P.	+·04	−·05	+ ·05	− ·12	−·01	−·25	21	P.	+·02	+·04	− ·08	− ·10	+·06	− ·36
14	J.P.	+·04	−·06	+ ·05	− ·08	−·02	−·21	21	A.C.	+·04	−·02	− ·08	+ ·06	+·02	− ·20
15	C.	+·04	+·01	+ ·05	+ ·16	+·05	+·03	22	J.P.	+·02	−·05	− ·09	+ ·15	−·03	− ·12
18	C.	+·05	+·04	+ ·04	+ ·08	+·09	−·06	22	A.P.	+·04	+·02	− ·09	+ ·05	+·06	− ·22
19	P.	+·04	·00	+ ·04	− ·08	+·04	−·22	23	W.	+·03	−·03	− ·09	+ ·27	·00	·00
19	A.P.	+·04	·00	+ ·04	− ·27	+·04	−·41	23	C.	...	...	− ·09	+ ·47	...	+ ·20
21	A.C.	+·02	+·07	+ ·04	+ ·11	+·09	−·03	24	P.	+·04	+·02	− ·09	− ·16	+·06	− ·43
21	C.	+·04	−·02	+ ·04	+ ·12	+·02	−·02	24	A.C.	+·04	+·01	− ·09	− ·14	+·05	− ·41
22	P.	+·03	+·01	+ ·02	− ·31	+·04	−·47	25	A.P.	+·02	−·01	− ·09	+ ·03	+·01	− ·24
24	P.	+·02	·00	+ ·02	− ·16	+·02	−·32	25	J.P.	−·02	·00	− ·09	− ·20	−·02	− ·47
24	A.P.	·00	−·02	+ ·02	+ ·15	−·02	−·01	28	J.P.	+·03	−·09	− ·10	+ ·34	−·06	+ ·06
25	C.	+·03	+·04	+ ·01	+ ·27	+·07	+·10	28	W.	−·02	−·06	− ·10	+ ·32	−·08	+ ·04
25	W.	+·02	−·01	+ ·01	+ ·17	+·01	·00	Mar. 1	C.	+·02	+·10	− ·10	− ·08	+·12	− ·36
26	A.P.	+·01	−·03	+ ·01	+ ·18	−·02	+·01	2	P.	+·04	+·02	− ·10	+ ·02	+·06	− ·26
26	A.C.	+·02	+·06	+ ·01	+ ·36	+·08	+·19	3	W.	+·03	−·03	− ·11	− ·22	·00	− ·51
31	P.	+·04	+·02	·00	− ·25	+·06	−·43	4	A.C.	+·01	−·02	− ·11	− ·04	−·01	− ·33
31	A.C.	+·01	+·01	·00	− ·17	+·02	−·35	4	C.	+·04	+·05	− ·11	− ·29	+·09	− ·58
Feb. 2	C.	+·02	+·01	− ·01	+ ·31	+·03	+·12	8	P.	+·03	−·01	− ·12	− ·27	+·02	− ·57
2	W.	+·05	−·04	− ·01	− ·15	+·01	−·34	9	J.P.	+·03	+·01	− ·12	− ·32	+·04	− ·62
4	J.P.	+·03	−·09	− ·01	+ ·06	−·06	−·13	12	J.P.	+·03	−·07	− ·13	+ ·14	−·04	− ·17
7	J.P.	+·06	−·05	− ·03	− ·23	+·01	−·44	14	A.C.	+·02	·00	− ·15	+ ·26	+·02	− ·07
7	W.	+·03	+·01	− ·03	+ ·15	+·04	−·06	16	W.	+·02	−·03	− ·15	− ·73	−·01	−1·06
8	C.	+·04	+·01	− ·03	− ·10	+·05	−·31	17	P.	+·04	+·05	− ·15	− ·09	+·09	− ·42
8	A.C.	+·04	+·05	− ·03	− ·13	+·09	−·34	18	J.P.	+·04	−·03	− ·15	− ·01	+·01	− ·34
9	P.	+·03	+·06	− ·04	·00	+·09	−·22	21	J.P.	+·02	+·01	− ·16	+ ·03	+·03	− ·31
9	A.P.	+·03	+·02	− ·04	+ ·21	+·05	−·01	22	C	−·03	+·01	− ·16	+ ·36	−·02	+ ·02
10	W.	+·04	−·01	− ·04	·00	+·03	−·22	25	A.C.	−·02	−·01	− ·17	− ·21	−·03	− ·56
10	J.P.	+·02	−·08	− ·04	− ·30	−·06	−·52	26	P.	−·06	·00	− ·17	− ·09	−·06	− ·44
11	A.C.	+·05	+·02	− ·04	+ ·15	+·07	−·07	28	C.	+·03	+·05	− ·17	+ ·28	+·08	− ·07
11	C.	+·03	−·01	− ·04	+ ·46	+·02	+·24	30	W.	+·02	−·01	− ·17	+ ·19	+·01	− ·16
14	C.	+·03	+·03	− ·05	− ·04	+·06	−·27	31	A.P.	+·02	·00	− ·17	− ·18	+·02	− ·53
14	A.P.	+·01	+·03	− ·05	− ·18	+·04	−·41	Apr. 1	P.	+·04	+·03	− ·18	+ ·11	+·07	− ·25
15	P.	+·02	+·06	− ·05	− ·22	+·08	−·45	4	J.P.	+·02	−·02	− ·18	+ ·12	·00	− ·24

Zone $-44°$ to $-48°$. $\Delta r = -0''\cdot18$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1898		s	s	"	"	s	"	1898		s	s	"	"	s	"
Apr. 7	A.P.	+·02	+·02	−0·18	−0·60	+·04	−·96	June 2	P.	+·05	+·05	−0·19	+0·36	+·10	−·01
13	A.C.	−·04	+·01	−·19	−·04	−·03	−·41	2	J.P.	+·04	−·01	−·19	+·12	+·03	−·25
13	C.	+·01	+·03	−·19	+·13	+·04	−·24	6	C.	+·04	+·05	−·18	−·54	+·09	−·90
18	J.P.	−·03	−·04	−·19	+·02	−·07	−·35	7	P.	+·04	+·05	−·18	−·60	+·09	−·96
20	P.	−·02	+·08	−·19	−·15	+·06	−·52	8	J.P.	+·03	−·04	−·18	+·23	−·01	−·13
20	W.	+·04	+·02	−·19	−·28	+·06	−·65	8	A.C.	+·04	+·02	−·18	+·64	+·06	+·28
21	A P.	+·01	+·01	−·19	+·17	+·02	−·20	8	C.	+·05	+·01	−·18	+·17	+·06	−·19
21	J.P.	+·05	−·07	−·19	+·24	−·02	−·13	9	P.	+·06	+·02	−·18	+·04	+·08	−·32
22	C.	+·03	·00	−·19	+·36	+·03	−·01	9	A.P.	+·04	+·03	−·18	−·39	+·07	−·75
22	A.C.	+·03	+·07	−·19	+·17	+·10	−·20	9	A.C	+·03	−·05	−·18	+·17	−·02	−·19
25	C.	+·03	−·03	−·19	+·08	·00	−·29	13	P.	+·05	·00	−·18	−·21	+·05	−·57
26	J.P.	+·03	−·08	−·19	−·25	−·05	−·62	14	J.P.	+·05	−·05	−·18	+·40	·00	+·04
26	A.P.	+·02	+·02	−·19	+·04	+·04	−·33	15	A.P.	+·04	−·02	−·18	−·25	+·02	−·61
30	J.P.	+·03	−·10	−·20	+·12	−·07	−·26	15	C.	+·02	+·04	−·18	+·25	+·06	−·11
May 2	P.	+·03	+·10	−·20	−·52	+·13	−·90	16	P.	+·01	+·04	−·18	−·02	+·05	−·38
4	A.P.	+·04	+·06	−·20	+·02	+·10	−·36	17	W.	+·01	+·01	−·17	−·11	+·02	−·46
4	W.	·00	−·01	−·20	−·43	−·01	−·81	18	C.	+·01	−·03	−·17	−·05	−·02	−·40
6	J.P.	+·03	−·04	−·20	−·63	−·01	−1·01	18	A.P.	+·01	·00	−·17	−·56	+·01	−·91
6	W.	+·01	−·10	−·20	+·76	−·09	+·38	20	J.P.	+·01	−·07	−·17	−·15	−·06	−·50
7	C.	+·01	−·01	−·20	+·39	·00	+·01	20	A.P.	+·03	−·06	−·17	−·53	−·03	−·88
7	A.P.	+·03	−·04	−·20	+·26	−·01	−·12	21	C.	+·04	−·03	−·17	+·32	+·07	−·03
16	P.	+·04	+·07	−·20	+·24	+·11	−·14	21	A.C.	+·02	+·02	−·17	+·39	+·04	+·04
16	W.	+·05	+·02	−·20	−·06	+·07	−·44	22	P.	+·01	+·03	−·17	·00	+·04	−·35
16	C.	+·04	−·05	−·20	−·30	−·01	−·68	22	W.	+·04	+·03	−·17	−·11	+·07	−·46
17	J.P.	−·01	−·03	−·20	−·39	−·04	−·77	23	A.P.	+·02	+·07	−·17	+·32	+·09	−·03
17	A.C.	+·03	−·03	−·20	−·64	·00	−1·02	25	P.	+·03	−·07	−·16	+·15	−·04	−·19
20	J.P.	+·03	−·13	−·19	+·12	−·10	−·25	30	P.	+·02	+·04	−·15	−·19	+·06	−·52
20	A.C.	+·04	−·01	−·19	+·31	+·03	−·06	30	W.	+·04	−·03	−·15	−·21	+·01	−·54
20	A.P.	+·02	+·04	−·19	+·07	+·06	−·30	30	C.	+·04	−·02	−·15	−·18	+·02	−·51
23	P.	+·05	−·04	−·19	−·21	+·01	−·58	July 2	J.P.	+·04	−·10	−·15	−·15	−·06	−·48
26	J.P.	+·02	−·02	−·19	−·39	·00	−·76	8	J.P.	+·04	−·09	−·14	−·20	−·05	−·52
26	A.C.	+·03	+·04	−·19	−·35	+·07	−·72	9	C.	+·03	+·10	−·12	+·01	+·13	−·29
27	P.	·00	+·01	−·19	+·49	+·01	+·12	14	J.P.	+·04	−·01	−·11	−·02	+·03	−·31
31	A.C.	+·05	+·02	−·19	−·06	+·07	−·43	18	C.	+·03	−·02	−·10	+·24	+·01	−·04
31	J.P.	+·04	−·03	−·19	−·29	+·01	−·66	19	A.P.	+·03	−·01	−·10	+·25	+·02	−·03
June 1	A.P.	+·04	+·06	−·19	+·08	+·10	−·29	20	A.C.	+·05	·00	−·09	+·14	+·05	−·13
1	W.	+·06	+·01	−·19	+·22	+·07	−·15	23	J.P.	+·04	+·04	−·08	+·05	+·08	−·21

Zone $-44°$ to $-48°$ $\Delta r = -0''.18$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_o$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1898		s	s	$''$	$''$	s	$''$	1898		s	s	$''$	$''$	s	$''$
July 25	P.	+·04	+·03	−0·08	−0·07	+·07	−·33	Oct. 7	C.	+·03	+·07	+0·15	+0·64	+·10	+·61
26	J.P.	+·03	·00	− ·08	− ·24	+·03	−·50	10	W.	+·03	+·02	+ ·16	− ·31	+·05	−·33
29	W.	+·03	−·08	− ·07	− ·07	−·05	−·32	12	J.P.	+·04	−·04	+ ·16	− ·03	·00	−·05
29	A.P.	+·04	·00	− ·07	− ·26	+·04	−·51	13	W.	+·04	−·02	+ ·16	+ ·18	+·02	+·16
Aug. 4	J.P.	+·05	−·03	− ·04	− ·17	+·02	−·39	17	C.	+·05	+·01	+ ·17	+ ·16	+·06	+·15
6	P.	+·04	+·04	− ·04	− ·06	+·08	−·28	20	A.P.	+·04	−·03	+ ·17	− ·20	+·01	−·21
8	W.	+·05	+·02	− ·03	− ·59	+·07	−·80	22	P.	+·05	+·03	+ ·17	− ·24	+·08	−·25
11	C.	+·05	+·02	− ·02	+ ·28	+·07	+·08	24	J.P.	+·06	−·04	+ ·17	+ ·22	+·02	+·21
12	P.	+·04	+·03	− ·02	− ·29	+·07	−·49	25	A.P.	+·06	+·06	+ ·17	− ·22	+·12	−·23
15	A.C.	+·04	+·02	− ·01	+ ·09	+·06	−·10	29	C.	+·04	−·04	+ ·17	+ ·29	·00	+·28
17	C.	+·03	·00	− ·01	+ ·35	+·03	+·16	Nov. 1	C.	+·04	−·01	+ ·17	+ ·46	+·03	+·45
18	P.	+·03	+·01	+ ·01	− ·12	+·04	−·29	9	C.	+·03	−·01	+ ·17	− ·35	+·02	−·36
19	W.	+·03	−·02	+ ·01	− ·13	+·01	−·30	9	W.	+·01	·00	+ ·17	− ·27	+·01	−·28
23	C.	+·03	·00	+ ·02	+ ·32	+·03	+·16	11	J.P.	+·03	−·05	+ ·17	+ ·03	−·02	+·02
24	P.	+·02	+·08	+ ·02	+ ·20	+·10	+·04	14	C.	+·05	·00	+ ·16	+ ·54	+·05	+·52
25	J.P.	+·04	−·07	+ ·04	+ ·14	−·03	·00	14	A.P.	+·02	−·01	+ ·16	+ ·13	+·01	+·11
26	A.P.	+·04	+·02	+ ·04	+ ·08	+·06	−·06	15	J.P.	+·04	−·02	+ ·16	+ ·04	+·02	+·02
30	A.P.	+·02	−·03	+ ·05	+ ·26	−·01	+·13	16	P.	+·03	+·01	+ ·16	− ·08	+·04	−·10
31	J.P.	+·05	−·01	+ ·05	− ·27	+·04	−·40	16	A.P.	+·03	·00	+ ·16	− ·14	+·03	−·16
Sept. 1	C.	+·02	−·02	+ ·06	+ ·15	·00	+·03	17	C.	+·04	−·01	+ ·16	+ ·44	+·03	+·42
3	A.C.	+·05	−·01	+ ·06	+ ·51	+·04	+·39	17	W.	+·01	·00	+ ·16	+ ·02	+·01	·00
5	P.	+·03	+·02	+ ·08	− ·21	+·05	−·31	24	P.	+·02	+·01	+ ·15	+ ·16	+·03	+·13
13	C.	+·06	+·03	+ ·11	− ·04	+·09	−·11	24	C.	+·04	−·01	+ ·15	+ ·43	+·03	+·40
14	A.P.	+·03	−·06	+ ·11	− ·45	−·03	−·52	29	P.	+·04	+·06	+ ·15	− ·39	+·10	−·42
19	C.	+·03	+·04	+ ·12	+ ·55	+·07	+·49	29	A.P.	+·05	−·04	+ ·15	− ·65	+·01	−·68
20	J.P.	+·03	−·03	+ ·13	− ·18	·00	−·23	30	C.	+·04	·00	+ ·15	+ ·24	+·04	+·21
21	W.	+·05	−·05	+ ·13	− ·14	·00	−·19	30	W.	+·06	−·01	+ ·15	+ ·04	+·05	+·01
22	A.C.	+·03	−·02	+ ·13	+ ·20	+·01	+·15	Dec. 1	P.	+·04	+·04	+ ·15	− ·13	+·08	−·16
23	A.P.	+·02	+·04	+ ·13	+ ·14	+·06	+·09	1	A.P.	+·04	−·02	+ ·15	− ·11	+·02	−·14
27	A.P.	+·03	−·01	+ ·14	− ·14	+·02	−·18	2	J.P.	+·02	−·03	+ ·15	− ·40	−·01	−·43
28	C.	+·05	−·04	+ ·14	− ·03	+·01	−·07	6	P.	+·04	+·04	+ ·15	− ·56	+·08	−·59
29	J.P.	+·05	·00	+ ·14	− ·07	+·05	−·11	7	C.	+·05	+·02	+ ·14	+ ·45	+·07	+·41
30	W.	+·04	+·02	+ ·14	+ ·08	+·06	+·04	8	A.C.	+·05	−·02	+ ·14	+ ·39	+·03	+·35
Oct. 6	A.P.	+·05	·00	+ ·15	− ·49	+·05	−·52	12	C.	+·04	−·09	+ ·14	+ ·49	−·05	+·45

Zone $-48°$ to $-52°$ $\Delta r = -0''\cdot15$.

Date.	Obs.	Δt	Z_α	$\phi-\phi_0$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi-\phi_0$	Z_δ	$\Delta t+Z_\alpha$	$\Delta\delta$
1899		s	s	″	″	s	″	1899		s	s	″	″	s	″
Jan. 5	C.	+·06	·00	+0·11	+0·01	+·06	−·03	Feb. 18	A.C.	·00	+·02	+0·06	+0·35	+·02	+·26
5	A.C.	+·02	+·02	+·11	+·19	+·04	+·15	20	A.C.	+·02	+·05	+·05	+·16	+·07	+·06
9	C.	+·05	−·03	+·11	+·46	+·02	+·42	20	C.	+·00	+·04	+·05	+·04	+·04	−·06
9	A.C.	+·01	−·02	+·11	−·30	−·01	−·34	21	P.	+·04	+·05	+·05	+·21	+·09	+·11
11	A.C.	+·01	+·04	+·10	+·27	+·05	+·22	21	W.	+·02	·00	+·05	+·04	+·02	−·06
11	C.	+·02	+·01	+·10	+·09	+·03	+·04	23	C.	+·05	−·05	+·01	+·14	·00	+·03
13	W.	+·05	−·02	+·10	−·31	+·03	−·36	24	P.	+·03	+·02	+·04	−·01	+·05	−·12
14	P.	+·04	·00	+·10	−·10	+·04	−·15	25	A.P.	+·02	−·02	+·04	−·35	·00	−·46
14	J.P.	+·04	−·07	+·10	−·21	−·03	−·26	25	J.P.	+·00	−·07	+·04	−·13	−·07	−·24
17	A.C.	+·04	+·01	+·10	−·24	+·05	−·29	27	P.	+·05	+·02	+·04	−·28	+·07	−·39
17	W.	+·01	+·01	+·10	−·11	+·02	−·16	Mar. 1	C.	+·01	−·01	+·04	−·08	·00	−·19
18	P.	+·04	·00	+·10	+·37	+·04	+·32	4	C.	+·02	+·01	+·03	+·06	+·03	−·06
19	W.	+·04	−·02	+·10	−·38	+·02	−·43	10	A.P.	+·04	+·03	+·02	−·02	+·07	−·15
26	P.	+·02	+·01	+·09	−·11	+·03	−·17	10	C.	+·04	+·03	+·02	−·07	+·07	−·20
30	C.	+·04	−·03	+·08	+·31	+·01	+·24	11	P.	+·04	+·01	+·02	+·23	+·05	+·10
30	A.C.	+·01	+·01	+·08	+·37	+·02	+·30	11	A.C.	+·04	+·03	+·02	+·33	+·07	+·20
Feb. 3	P.	+·06	+·01	+·08	−·21	+·07	−·28	17	P.	+·06	−·02	·00	−·07	+·04	−·22
4	A.P.	+·02	+·05	+·08	+·29	+·07	+·22	17	W.	+·04	−·06	·00	−·33	−·02	−·48
6	P.	+·04	−·01	+·07	−·35	+·03	−·43	21	J.P.	+·03	−·01	·00	+·05	+·02	−·10
6	A.P.	+·02	·00	+·07	−·48	+·02	−·56	21	A.C.	+·04	+·03	00	+·16	+·07	+·01
7	J.P.	+·04	−·07	+·07	+·33	−·03	+·25	22	W.	+·02	−·01	·00	+·02	+·01	−·13
8	C.	+·03	−·03	+·07	−·08	·00	−·16	22	C.	+·05	−·02	·00	+·14	+·03	−·01
8	W.	+·02	−·06	+·07	−·24	−·04	−·32	25	C.	+·02	+·04	−·01	+·11	+·06	−·05
9	P.	+·04	+·01	+·07	·00	+·05	−·08	25	W.	+·05	+·04	−·01	+·13	+·09	−·03
9	A.C.	+·01	+·01	+·07	+·13	+·02	+·05	27	J.P.	+·03	−·06	−·01	−·01	−·03	−·17
10	A.P.	+·01	+·04	+·07	+·26	+·05	+·18	27	A.C.	+·03	−·04	−·01	+·30	−·01	+·14
10	J.P.	+·03	−·05	+·07	+·08	−·02	·00	29	P.	+·03	+·06	−·01	+·34	+·09	+·18
11	W.	+·03	+·08	+·07	−·27	+·11	−·35	29	A.P.	+·03	+·01	−·01	−·34	+·04	−·50
13	J.P.	+·05	−·07	+·06	+·01	−·02	−·08	Apr. 4	J.P.	+·03	−·04	−·01	−·28	−·01	−·44
14	C.	+·05	·00	+·06	+·28	+·05	+·19	4	C.	+·05	·00	−·01	+·43	+·05	+·27
14	A.P.	·00	+·03	+·06	·00	+·03	−·09	6	C.	+·03	+·01	−·02	+·37	+·04	+·20
15	P.	+·05	·00	+·06	+·40	+·05	+·31	7	J.P.	+·03	−·08	−·02	−·60	−·05	−·77
16	J.P.	+·03	−·06	+·06	−·61	−·03	−·70	8	P.	+·04	−·03	−·02	−·44	+·01	−·61
16	W.	+·03	−·06	+·06	−·55	−·03	−·64	10	W.	+·02	−·03	−·02	+·12	−·01	−·05
17	A.P.	+·03	−·01	+·06	−·03	+·02	+·12	10	J.P.	+·03	−·03	−·02	+·01	·00	−·16
17	C.	+·02	−·01	+·06	−·03	+·01	−·12	11	P.	+·03	+·04	−·02	−·08	+·07	−·25
18	P.	+·04	·00	+·06	+·15	+·04	+·06	13	P.	+·03	−·01	−·03	·00	+·02	−·18

Zone − 48° to − 52°. $\Delta r = -0''.15$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
1899		s	s	″	″	s	″	1899		s	s	″	″	s	″
Apr. 13	J.P.	+·01	−·03	−0·03	−0·43	−·02	−·61	June 5	A.P.	−·01	+·04	−0·08	−0·47	+·03	−·70
14	C.	+·01	+·01	−·03	+·29	+·02	+·11	6	J.P.	+·06	+·01	−·08	−·42	+·07	−·65
14	A.P.	+·02	−·01	−·03	−·12	+·01	−·30	6	W.	+·02	−·04	−·08	−·04	−·02	−·27
16	P.	+·03	+·01	−·03	−·56	+·04	−·74	7	P.	+·05	·00	−·08	−·14	+·05	−·37
17	A.P.	+·03	−·01	−·03	−·27	+·02	−·45	7	C.	+·03	−·02	−·08	·00	+·01	−·23
18	C.	+·03	+·01	−·03	+·49	+·04	+·31	8	A.P.	+·04	+·04	−·08	−·09	+·08	−·32
19	A.P.	+·03	+·02	−·03	+·14	+·05	−·04	8	W.	+·03	−·04	−·08	−·16	−·01	−·39
20	J.P.	+·04	−·02	−·03	−·30	+·02	−·48	9	P.	+·05	−·04	−·09	+·13	+·01	−·11
21	P.	+·01	+·01	−·03	+·21	+·02	+·03	10	W.	+·05	−·01	−·09	+·47	+·04	+·23
27	C.	+·04	−·01	−·04	+·08	+·03	−·11	10	C.	+·03	−·01	−·09	+·43	+·02	+·19
27	A.P.	+·03	+·03	−·04	−·23	+·06	−·42	12	A.P.	+·02	·00	−·09	−·45	+·02	−·69
May 4	A.P.	+·03	+·07	−·05	−·26	+·10	−·46	13	J.P.	+·05	−·04	−·09	+·26	+·01	+·02
4	W.	+·05	−·03	−·05	+·02	+·02	−·18	14	P.	+·05	+·03	−·09	+·17	+·08	−·07
6	W.	+·05	−·01	−·05	+·28	+·04	+·08	15	C.	+·03	−·01	−·09	−·28	+·02	−·52
9	C.	+·05	·00	−·05	+·15	+·05	−·05	15	A.P.	+·03	+·07	−·09	−·25	+·10	−·49
9	W.	+·02	−·02	−·05	+·05	·00	−·15	19	C.	·00	+·06	−·10	+·33	+·06	+·08
10	P.	+·03	+·05	−·05	−·25	+·08	−·45	24	P.	+·02	+·05	−·11	−·57	+·07	−·83
10	J.P.	+·04	−·01	−·05	+·03	+·03	−·17	26	J.P.	+·04	−·11	−·11	+·44	−·07	+·18
12	W.	+·04	−·01	−·05	+·29	+·03	+·09	29	A.P.	+·01	+·05	−·11	+·16	+·06	−·10
13	P.	+·05	+·06	−·05	−·02	+·11	−·22	30	W.	+·02	·00	−·11	+·10	+·02	−·16
13	A.P.	+·04	+·02	−·05	−·23	+·06	−·43	July 1	C.	+·04	−·06	−·11	+·12	−·02	−·14
18	P.	+·03	·00	−·06	+·32	+·03	+·11	3	A.P.	+·03	+·02	−·11	+·01	+·05	−·25
19	C.	+·04	−·02	−·06	+·58	+·02	+·37	6	P.	+·05	−·03	−·12	+·12	+·02	−·15
20	J.P.	+·04	−·04	−·06	+·09	·00	−·12	10	C.	+·04	+·01	−·12	+·50	+·05	+·23
20	A.P.	+·03	+·01	−·06	−·16	+·04	−·37	10	J.P.	+·04	−·03	−·12	−·03	+·01	−·30
25	P.	+·02	+·04	−·06	−·28	+·06	−·49	11	A.P.	+·03	+·01	−·12	−·16	+·04	−·43
25	W.	−·01	−·02	−·06	−·33	−·03	−·54	11	P.	+·04	+·01	−·12	−·06	+·05	−·33
26	J.P.	+·04	−·03	−·07	−·30	+·01	−·52	12	J.P.	+·04	−·02	−·12	−·03	+·02	−·30
26	A.P.	+·02	+·01	−·07	−·27	+·03	−·49	12	W.	+·03	−·04	−·12	+·06	−·01	−·21
27	P.	+·04	·00	−·07	−·21	+·04	−·43	17	W.	+·02	−·01	−·12	−·17	+·01	−·44
28	J.P.	+·04	−·01	−·07	−·49	+·03	−·71	17	A.P	+·04	−·01	−·12	−·27	+·03	−·54
29	C.	+·04	+·02	−·07	+·44	+·06	+·22	18	P.	+·03	+·03	−·12	−·04	+·06	−·31
31	A.P.	+·02	·00	−·07	−·73	+·02	−·95	18	C.	+·03	+·03	−·12	+·22	+·06	−·05
June 1	J.P.	+·06	−·04	−·07	+·14	+·02	−·08	19	A.P.	+·03	·00	−·12	+·02	+·03	−·25
1	W.	+·02	−·04	−·07	+·56	−·02	+·34	19	J.P.	+·04	−·04	−·12	+·32	·00	+·05
2	A.P.	+·03	+·08	−·08	−·19	+·11	−·42	22	A.P.	+·03	+·01	−·12	−·12	+·04	−·39
5	C.	+·04	·00	−·08	+·47	+·04	+·24	25	A.P.	+·02	−·03	−·12	−·79	−·01	−1·06

Zone $-48°$ to $-52°$ $\Delta r = -0''\cdot15$.

Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$	Date.	Obs.	Δt	Z_α	$\phi - \phi_0$	Z_δ	$\Delta t + Z_\alpha$	$\Delta\delta$
		s	s	″	″	s	″			s	s	″	″	s	″
1899 July 26	W.	+·02	−·05	−0·12	+0·18	−·03	−·09	1899 Sept. 30	W.	+·03	+·02	−0·03	+0·26	+·05	+·08
27	P.	+·04	·00	−·12	+·40	+·04	+·13	Oct. 3	C.	+·03	+·03	−·02	−·37	+·06	−·54
28	C.	+·03	−·02	−·12	+·42	+·01	+·15	3	A.P.	+·05	+·03	−·02	−·90	+·08	−1·07
Aug. 4	C.	+·04	−·02	−·12	−·06	+·02	−·33	5	A.P.	+·02	+·01	−·02	−·32	+·03	−·49
10	C.	+·03	−·01	−·11	−·09	+·02	−·35	6	C.	+·03	+·01	−·02	+·49	+·04	+·32
16	C.	+·03	+·01	−·11	+·44	+·04	+·18	10	C.	+·03	−·02	−·01	−·35	+·01	−·51
17	P.	+·03	+·03	−·11	+·11	+·06	−·15	17	J.P.	+·02	+·01	+·01	−·51	+·03	−·65
24	A.P.	+·05	+·01	−·10	+·13	+·06	−·12	18	P.	+·03	−·10	+·01	+·01	−·07	−·13
28	A.C.	+·01	+·02	−·09	+·57	+·03	+·33	24	C.	+·03	+·02	+·03	+·25	+·05	+·13
28	C.	+·03	−·03	−·09	+·53	·00	+·29	24	A.C.	+·04	−·06	+·03	+·25	−·02	+·13
31	P.	+·02	+·03	−·09	+·06	+·05	−·18	25	W.	+·03	+·03	+·03	+·02	+·06	−·10
Sept. 1	A.C.	+·02	−·01	−·08	+·45	+·01	+·22	27	A.C.	+·02	−·01	+·04	−·06	+·01	−·17
5	W.	+·03	−·03	−·07	−·21	·00	−·43	Nov. 2	J.P.	+·04	−·02	+·06	−·02	+·02	−·11
6	J.P.	+·03	−·02	−·07	−·24	+·01	−·46	7	W.	+·03	−·04	+·07	+·40	−·01	+·32
6	C.	+·04	−·01	−·07	+·24	+·03	+·02	7	J.P.	+·04	+·01	+·07	−·10	+·05	−·18
9	C.	+·03	−·03	−·07	−·27	·00	−·49	8	P.	+·04	−·07	+·07	−·05	−·03	−·13
9	W.	+·03	−·01	−·07	+·20	+·02	−·02	10	P.	+·03	+·01	+·08	−·33	+·04	−·40
12	A.P.	+·02	+·03	−·06	−·28	+·05	−·49	10	A.C.	+·04	·00	+·08	−·04	+·04	−·11
12	C.	+·03	+·02	−·06	·00	+·05	−·21	11	A.P.	+·03	+·01	+·08	+·38	+·04	+·31
14	A.C.	+·01	+·02	−·06	−·03	+·03	−·24	11	J.P.	+·03	−·02	+·08	−·05	+·01	−·12
14	W.	+·04	+·02	−·06	−·09	+·06	−·30	13	J.P.	+·03	+·02	+·08	−·20	+·05	−·27
14	C.	+·04	+·04	−·06	+·44	+·08	+·23	15	A.P.	+·04	−·01	+·08	+·08	+·03	+·01
16	P.	+·03	+·01	−·05	+·19	+·04	−·01	16	C.	+·04	−·01	+·08	+·33	+·03	+·26
16	A.C.	+·03	−·01	−·05	+·36	+·02	+·16	16	A.C.	+·04	−·01	+·08	+·19	+·03	+·12
18	C.	+·03	−·03	−·05	+·24	·00	+·04	17	J.P.	+·04	−·04	+·09	−·08	·00	−·14
18	A.C.	+·04	−·05	−·05	+·25	−·01	+·05	18	C.	+·03	+·05	+09	+·32	+·08	+·26
19	P.	+·02	+·02	−·05	+·13	+·04	−·07	18	A.C.	+·05	+·06	+·09	+·26	+·11	+·20
19	W.	+·03	−·01	−·05	+·03	+·02	−·17	20	A.C.	+·02	+·08	+·09	−·07	+·10	−·13
23	J.P.	+·04	+·04	−·04	−·23	+·08	−·42	21	A.P.	+·03	+·01	+·10	−·13	+·04	−·18
23	A.P.	+·04	+·07	−·04	−·29	+·11	−·48	22	P.	+·04	−·02	+·10	−·75	+·02	−·80
25	W.	+·05	−·02	−·04	+·27	+·03	+·08	22	W.	+·04	−·14	+·10	−·36	−·10	−·41
25	J.P.	+·03	·00	−·04	−·36	+·03	−·55	23	J.P.	+·05	−·02	+·10	−·13	+·03	−·18
26	A.P.	+·04	+·02	−·04	−·06	+·06	−·25	23	A.C.	+·06	−·03	+·10	−·25	+·03	−·30
27	J.P.	+·05	−·04	−·03	−·04	+·01	−·22	29	J.P.	+·04	−·02	+·11	−·01	+·02	−·05
27	W.	+·02	+·01	−·03	+·12	+·03	−·06	30	C.	+·03	−·02	+·11	+·26	+·01	+·22
29	A.C.	+·02	+·02	−·03	−·18	+·04	−·36	Dec. 1	A.P.	+·03	+·02	+·11	−·04	+·05	−·08
30	C.	+·03	·00	−·03	+·22	+·03	+·04	2	P.	+·05	−·02	+·11	+·15	+·03	+·11
								4	A.P.	+·04	+·05	+·11	−·02	+·09	−·06
								7	P.	+·04	+·07	+·12	−·08	+·11	−·11
								8	J.P.	+·04	·00	+·12	+·18	+·04	+·15
								9	C.	+·04	+·02	+·12	+·21	+·06	+·18

In order to obtain a better estimate of the importance of the corrections Z_α and Z_δ, &c., the following computations of the probable error of a single observation have been made:—

1. From the separate uncorrected results of the Annual Volumes.
2. From the same after correction for $\Delta\alpha$ and $\Delta\delta$.

To reduce the work to reasonable proportions two or three stars were selected in each hour of Right Ascension, having regard to the following requirements:—

a. Not brighter than mag. 8·0.

b. Observed by as many different observers as possible.

c. All the observers to be represented in the observations of the selected stars in each hour of R.A.

The mean values of $\frac{[v\,v]}{n-1}$ were as follows:—

Year.	Dec.	α		δ		No. of Stars.
		Uncorrected.	Corrected.	Uncorrected.	Corrected.	
1896–7 - -	− 40° to − 44°	0·003948	0·001791	0·2531	0·1525	42
1898 - - -	− 44 to − 48	·003965	·002980	·3009	0·2074	72
1899 - -	− 48 to − 52	·004887	·003559	·3299	0·1802	70

And the corresponding probable error of the single observation:—

Dec.	Uncorrected.	Corrected.		Uncorrected.	Corrected.
− 40° to − 44°	In R.A. ± 0ˢ·042	± 0ˢ·028	in Dec.	± 0″·34	± 0″·26
− 44 to − 48	± ·042	± ·036		± 0·37	± ·30
− 48 to − 52	± ·047	± ·040		± 0·38	± ·28

These results completely justify the labour involved in applying the corrections. The accidental *probable error* of the single observation is thus, in the mean—

$$\text{In R.A. } \pm 0^{s}\cdot024 \sec\delta \;:\; \text{In Dec. } \pm 0''\cdot28.$$

Or, for the Catalogue places:—

With 3 observations ± 0ˢ·014 sec δ and ± 0″·16.
„ 4 „ ± ·012 „ „ ± 0·14.
„ 5 „ ± ·010 „ „ ± 0·12.
„ 9 „ ± ·008 „ „ ± 0·09.

Explanation of the separate Columns of the Catalogue.

1. No. The rotation number. An asterisk attached to the number in this column signifies that there is a footnote referring to the star.

2. Mag. The magnitudes given in this column are generally the mean of those estimated at transit by the various observers. In cases where such estimations are either wanting or are very discordant, recourse was had to other Catalogues. Magnitudes marked * are taken from the Cordoba Zones, those marked † from the Cordoba D.M.

3. Mean R.A. 1900·0. This column gives the Right Ascension for the Equinox 1900 at the Epoch of Observation. The formation of the results is explained in the present Introduction.

4. μ_α to 1900. This column gives the correction to be applied on account of proper motion, when the latter is known, to reduce the Right Ascensions of column 3 to the Epoch as well as the Equinox of 1900·0.

5. Precession 1900. The Annual Precession in R.A. for 1900·0, corresponding to Newcomb's value of the Precessional Constant, as deduced by him in accordance with the request of the International Conference on Fundamental Stars, held at Paris in May 1896, computed by the formula—

$$3^{s}\cdot0723 + 1^{s}\cdot3365 \sin\alpha \tan\delta.$$

6. Sec. Var. The Secular Variation in Right Ascension, computed by the formula—

$$A + B \tan\delta + C \tan^2\delta,$$

where

$$A = +\,0^{s}\cdot00186 + [7\cdot8\ 251] \sin 2\alpha.$$
$$B = [8\cdot47510] \cos\alpha - [6\cdot75435] \sin\alpha.$$
$$C = [8\cdot11353] \sin 2\alpha.$$

7. Proper Motion. The Annual Proper Motion in Right Ascension as determined by the methods subsequently described in detail, and printed on pp. 293–392.

8. Mean Dec. 1900·0. This column gives the Declination for the Equinox 1900 at the Epoch of Observation. The formation of the results is described in the present Introduction.

9. μ_δ to 1900. This column gives the correction to be applied on account of proper motion, when the latter is known, to reduce the Declinations of column 8 to the Epoch as well as the Equinox of 1900.

10. Precession 1900. The Annual Precession in Declination for 1900·0, corresponding to Newcomb's Precessional Constant; computed by the formula—

$$20''\cdot0468 \cos\alpha.$$

11. Sec. Var. The Secular Variation in Declination, computed by the formula—

$$A' + B' \tan \delta.$$

where

$$A' = -[7{\cdot}93044] \cos \alpha - [9{\cdot}65119] \sin \alpha.$$
$$B' = -[9{\cdot}28965] \sin^2 \alpha.$$

12. Proper Motion. The Annual Proper Motion in Declination, from pp. 293 to 392.

13. Obs. The number of observations—generally identical in Right Ascension and Declination. In the few instances where these numbers are not identical, the left-hand figure denotes the number of observations in R.A., the right-hand figure the number in Declination.

14. Epoch 1890+. The mean Epoch of Observation, expressed in years in excess of 1890.

15. C.P.D. The zone and number of the star in the Cape Photographic Durchmusterung.

Notes on Double Stars are taken from Vol. II. of the *Cape Annals*, Part 2; those on Variable Stars from Chandler's Third Catalogue (*Ast. Journal*, 379), Roberts' List (*Ast. Journal*, 491–2), or the list published by the *Ast. Gesellschaft* (*Ast. Journal*, 514).

APPENDIX I.

Comparison with other Catalogues and Derivation of Proper Motions.

As a preliminary step to derivation of the proper motions, the places of all stars in the following Catalogues, which also occur in the present Catalogue, were reduced to 1900 with Newcomb's Precession and without proper motion. In the case of the Cordoba Zones, however, only those stars which do not occur both in the Cape 1880 Catalogue and in Gould's General Catalogue have been reduced to 1900, as it was considered that when the stars occurred in these two Catalogues the determination of the proper motion would not be materially strengthened by the results of the Zone Catalogue.

	Equinox.	
Taylor's Madras (Downing's Reduction)	1835	denoted by t
Cape Catalogue	1840	„ „ 40
„ „	1850	„ „ 50
„ „	1860	„ „ 60
„ „	1865	„ „ 65
Melbourne Catalogue	1870	„ „ M
Cordoba General Catalogue (Gould)	1875	„ „ G
Cordoba Zones	1875	, „ Z

	Equinox.		
Madras Catalogue - - - -	1875	denoted by	Ms
Cape Catalogue - - - - -	1880	„ „	80
Melbourne Catalogue - - - -	1880	„ „	m
Cape Catalogue - - - - -	1885	„ „	85
„ „ - - - -	1890	„ „	90
„ „ - - - -	1900	„ „	C_∞
Newcomb's Fundamental Catalogue - -	1900	„ „	N

In these computations the corrections for Precession depending on the third power of the time were not taken into account, because, for the original purposes for which the computations were made (viz., the determination of proper motions with sufficient accuracy for the immediate purposes of the Catalogue) the effect of these terms is practically insensible, and only in extreme cases amounts to $\pm 0^s\cdot01$ in R.A. and $\pm 0''\cdot1$ in Declination. Thus, for places brought up from 1835 to 1900, the corrections depending on t^3 are—

α	δ − 40°.		δ − 52°.	
	Δα	Δδ	Δα	—
h	s	″	s	″
0	+ 0·005	− 0·04	+ 0·009	− 0·04
2	+ ·003	− ·02	+ ·003	− ·02
4	·000	− ·01	·000	− ·01
6	·000	·00	·000	·00
8	·000	+ ·01	·000	+ ·01
10	+ ·003	+ ·02	+ ·003	+ ·02
12	+ ·005	+ ·04	+ ·009	+ ·04
14	+ ·003	+ ·06	+ ·007	+ ·08
16	− ·004	+ ·05	− ·007	+ ·07
18	− ·008	·00	− ·015	·00
20	− ·003	− ·05	− ·006	− ·08
22	+ ·003	− ·08	+ ·007	− ·08

The comparisons are given in detail, without systematic corrections, at pp. 219 to 292.

Derivation of Systematic Corrections applicable to the different Catalogues.

In order to determine the corrections to reduce the various Catalogues to the system of Newcomb's Fundamental Catalogue for 1900, the places of all the stars within the Zone Dec. − 40° to − 52°, common to that Catalogue and the others above named, were reduced to the Epoch and Equinox 1900, employing Newcomb's Precession and Proper Motions, with the following results:—

α	N −t				N −40				N −50				N −60				N −65				N −M				α
	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	
			s	″			s	″			s	″			s	″			s	″			s	″	
0	3	3·6	−0·21	+1·46	1, 2	2·4	(+0·22)	+0·42	3	3·6	−0·08	+0·06	3	3·6	+0·03	+0·56	2	3·5	+0·02	+0·11	3	3·6	+0·02	−0·91	0
1	3	3·6	− ·18	+1·74	3	3·6	+ ·02	− ·14	3	3·6	− ·05	−0·37	3	3·6	+ ·04	+0·19	2	3·7	− ·03	−0·46	2	3·4	− ·02	−1·05	1
2	3	3·7	− ·21	+0·28	3, 2	3·7	+ ·10	− ·19	3	3·7	− ·13	0·00	3	3·7	+ ·07	+0·12	...	...	...	...	3	3·7	− ·01	−0·84	2
3	3	5·5	− ·22	+1·47	3	5·5	− ·03	− ·81	3, 2	5·5	− ·10	+0·70	1	4·3	− ·21	+0·25	2	6·1	·00	+0·04	1	4·3	− ·15	−0·20	3
4	2	4·2	− ·11	+2·28	2	4·2	− ·06	− ·63	2	4·2	− ·11	+0·31	2	4·2	+ ·07	−0·01	...	...	...	...	2	4·2	− ·03	−1·16	4
5	2	4·8	+ ·07	+1·38	2	4·8	+ ·01	+ ·30	2	4·8	− ·18	+0·45	1	4·0	+ ·02	−0·26	2	4·8	+ ·08	+0·61	2	4·8	+ ·05	−1·09	5
6	3	4·1	− ·16	+1·12	3, 2	4·1	+ ·03	− ·28	3	4·1	− ·14	−0·64	2	4·8	+ ·10	−0·06	...	...	...	...	2	3·0	+ ·01	+0·40	6
7	2	3·4	+ ·11	+0·60	2	3·4	− ·02	− ·14	2	3·4	− ·03	+0·10	1	3·0	(− ·27)	(+3·26)	2	3·4	+ ·02	+0·87	2	3·4	+ ·01	−0·19	7
8	2	2·8	+ ·11	+2·83	1, 2	1·9	+ ·08	+ ·12	2	2·8	+ ·09	−0·40	2	2·8	+ ·04	+1·00	2	2·8	+ ·01	+0·79	2	2·8	+ ·01	−0·83	8
9	2	2·9	− ·19	(+4·18)	2	2·9	− ·10	+ ·50	2	2·9	− ·08	+0·86	2	2·9	+ ·09	−0·14	2	2·9	− ·07	+0·65	2	2·9	− ·02	−0·45	9
10	3	3·6	− ·17	+2·87	2	4·0	+ ·11	+ ·27	2, 3	4·0	+ ·01	+0·10	3	3·6	+ ·03	+0·54	1	2·8	+ ·05	+0·10	3	3·6	− ·02	+0·36	10
11	2	5·0	− ·14	+0·60	1, 2	5·4	·00	+ ·02	1, 2	4·6	+ ·02	+0·75	...	...	...	...	...	...	...	...	...	...	...	...	11
12	2	2·6	− ·17	+1·93	2	2·6	+ ·05	− ·22	2	2·6	− ·10	+0·21	0, 1	2·8	...	+1·16	2	2·6	+ ·04	−0·23	2	2·6	+ ·03	+0·01	12
13	3, 2	3·2	− ·08	+1·19	3	3·2	+ ·06	+ ·19	3	3·2	− ·11	+0·03	2	3·1	+ ·06	−0·36	3	3·2	+ ·05	+0·34	3	3·2	+ ·05	−0·08	13
14	5, 4	3·2	− ·06	+1·93	5	3·2	+ ·08	+ ·19	4, 5	3·1	− ·10	−0·18	4	3·3	+ ·12	−0·10	5	3·2	− ·04	+0·10	5	3·2	+ ·07	−0·54	14
15	4	3·5	− ·11	+1·31	4	3·5	+ ·01	− ·10	4	3·5	− ·11	+0·22	3	3·5	+ ·07	−0·47	3	3·3	− ·07	+0·47	4	3·5	+ ·07	−0·38	15
16	1	4·2	− ·08	+2·40	1	4·2	+ ·11	− ·41	1	4·2	− ·14	+1·32	1	4·2	+ ·08	−0·21	...	. .	...	...	1	4·2	+ ·10	+0·42	16
17	5	3·0	− ·15	+1·64	5	3·0	+ ·02	+ ·13	5	3·0	− ·04	−0·02	5	3·0	+ ·05	+0·08	5	3·0	+ ·01	−0·02	5	3·0	+ ·02	−0·69	17
18	2	4·1	− ·18	+2·78	2	4·1	+ ·12	+ ·79	2	4·1	− ·11	−0·58	1	3·7	(+ ·38)	+0·46	2	4·1	− ·04	+0·27	2	4·1	− ·04	−0·11	18
19	3	4·1	− ·27	+0·64	3, 1	4·1	− ·05	+ ·12	3	4·1	− ·01	+0·29	3	4·1	+ ·11	−0·03	2	4·1	− ·02	+0·48	3	4·1	+ ·04	−0·12	19
20	1	3·2	− ·15	+2·69	1	3·2	+ ·05	+ ·13	1	3·2	− ·13	−0·51	1	3·2	+ ·05	−0·26	...	...	...	...	1	3·2	− ·03	−0·47	20
21	1	5·0	+ ·17	+0·05	1, 0	5·0	+ ·05	...	1	5·0	+ ·02	+1·13	0	...	...	...	1	5·0	− ·03	+1·08	...	...	...	...	21
22	3	2·6	+ ·19	+2·08	3	2·6	− ·02	− ·72	3, 2	2·6	− ·04	−0·68	3	2·6	+ ·08	+0·09	...	...	...	...	3	2·6	+ ·05	−0·58	22
23	2	4·5	− ·11	−0·78	1	4·9	− ·01	+ ·21	2	4·5	− ·02	−0·42	2	4·5	+ ·05	+0·02	...	...	...	...	2	4·5	+ ·01	−1·17	23
24																									24

α	N − G				N − Z				N − Ms				N − 80				N − m				N − 85				N − 90				α
	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	No. of Stars.	Mag.	Δα	Δδ	
			s	″			s	″			s	″			s	″			s	″			s	″			s	″	
0	3	3·6	−0·02	−0·33	3	3·6	+0·14	−1·39	3	3·6	−0·04	+1·0	3	3·6	+0·10	+0·35	...	...	...	...	3	3·6	+0·04	+0·12	3	3·6	+0·01	−0·10	0
1	3	3·6	− ·07	− ·32	3	3·6	− ·11	−1·15	3	3·6	− ·06	+0·8	3	3·6	+ ·10	+ ·07	1	4·1	+0·05	−1·50	3	3·6	+ ·12	−0·02	3	3·6	− ·05	− ·52	1
2	3	3·7	− ·01	+ ·06	3	3·7	− ·03	−1·43	3	3·7	+ ·06	+0·9	2	4·0	+ ·06	− ·22	...	...	...	...	2	4·0	+ ·06	+0·08	3	3·7	+ ·01	+ ·22	2
3	3	5·5	− ·11	+ ·15	3	5·5	− ·15	−0·76	1	4·4	− ·08	+0·9	3	5·5	− ·05	+ ·59	1	6·5	+ ·04	−1·51	2	5·4	− ·05	−0·12	2	5·0	− ·06	+ ·21	3
4	2	4·2	− ·01	+ ·29	2	4·2	+ ·19	−1·15	2	4·2	+ ·16	+0·9	2	4·2	+ ·09	− ·32	..	...	...	...	...	...	...	...	2	4·2	·00	− ·37	4
5	2	4·8	− ·05	+ ·42	2	4·8	− ·09	−1·70	1	4·0	+ ·11	+0·1	2	4·8	+ ·09	+ ·12	...	...	...	...	1	4·0	+ ·01	−1·04	2	4·8	+ ·11	− ·38	5
6	3	4·1	− ·02	+ ·50	2	4·6	− ·02	−0·89	3	4·1	+ ·11	+0·5	3	4·1	+ ·09	− ·30	...	...	..	...	2	3·0	− ·01	−0·24	3	4·1	+ ·05	− ·23	6
7	2	3·4	− ·10	+ ·41	2	3·4	− ·14	−0·65	2	3·4	+ ·08	+1·8	2	3·4	+ ·10	− ·29	...	...	...	...	2	3·4	+ ·04	−0·15	2	3·4	+ ·05	+ ·61	7
8	2	2·8	− ·10	+ ·27	2	2·8	− ·06	−0·41	2	2·8	+ ·07	+0·9	2	2·8	+ ·07	+ ·13	...	...	...	...	2	2·8	− ·01	−0·21	2	2·8	+ ·03	+ ·17	8
9	2	2·9	− ·09	+ ·27	2	2·9	− ·11	−0·34	2	2·9	− ·05	+1·9	2	2·9	+ ·02	− ·19	...	...	...	...	2	2·9	− ·02	−0·33	2	2·9	+ ·01	− ·04	9
10	3	3·6	− ·01	− ·42	2	3·4	− ·09	−0·25	3	3·6	− ·01	+0·7	3	3·6	+ ·03	+ ·22	...	...	...	...	1	2·8	+ ·04	−0·46	3	3·6	+ ·02	+ ·13	10
11	2	5·0	− ·09	− ·11	2	5·0	− ·03	−1·56	1	5·0	+ ·20	+1·2	2	5·0	+ ·07	+ ·54	...	...	...	...	...	...	...	...	2	5·0	− ·01	+ ·94	11
12	2	2·6	− ·05	− ·27	2	2·6	− ·12	−0·54	2	2·6	+ ·10	−0·5	2	2·6	+ ·02	− ·28	1	2·8	+ ·06	−0·46	2	2·6	+ ·03	−0·23	2	2·6	+ ·03	− ·11	12
13	3	3·2	− ·03	− ·11	3	3·2	− ·06	−0·90	3	3·2	+ ·09	+1·3	3	3·2	+ ·02	− ·34	...	...	...	...	3	3·2	+ ·06	+0·05	3	3·2	·00	− ·09	13
14	5	3·2	− ·06	− ·23	4	2·8	+ ·04	−1·57	5	3·2	+ ·10	+0·6	5	3·2	+ ·08	− ·20	1	2·7	+ ·08	+0·14	5	3·2	+ ·07	+0·12	5	3·2	+ ·06	+ ·23	14
15	4	3·5	+ ·02	− ·09	3	3·5	− ·09	−0·74	4, 3	3·5	+ ·11	+0·3	4	3·5	− ·02	+ ·01	...	...	...	...	4	3·5	+ ·04	−0·26	4	3·5	+ ·06	+ ·33	15
16	1	4·2	− ·12	+ ·87	1	4·2	+ ·14	−0·89	1	4·2	+ ·17	0·0	1	4·2	+ ·06	− ·42	...	...	...	...	1	4·2	− ·01	−0·30	1	4·2	− ·05	− ·21	16
17	5	3·0	− ·01	− ·24	5	3·0	− ·01	−2·28	5	3·0	+ ·09	−0·3	5	3·0	+ ·08	− ·12	...	...	...	...	5	3·0	·00	−0·04	5	3·0	+ ·06	− ·02	17
18	2	4·1	− ·01	+ ·06	2	4·1	− ·05	−0·89	2	4·1	+ ·03	+0·9	2	4·1	+ ·04	− ·37	...	...	...	...	2	4·1	− ·02	−0·03	2	4·1	− ·08	− ·02	18
19	3	4·1	+ ·02	− ·30	3	4·1	·00	−0·82	3	4·1	+ ·11	+1·3	3	4·1	− ·01	+ ·06	...	...	...	...	2	4·1	+ ·07	+0·22	3	4·1	+ ·06	+ ·20	19
20	1	3·2	− ·01	− ·04	1	3·2	·00	−1·14	1	3·2	+ ·10	+1·2	1	3·2	+ ·03	+ ·11	...	...	...	...	1	3·2	− ·04	+0·07	1	3·2	− ·04	− ·27	20
21	1	5·0	− ·02	+ ·09	1	5·0	+ ·10	−1·42	1	5·0	+ ·01	+0·8	1	5·0	+ ·08	− ·54	1	5·0	+ ·18	−1·10	...	...	...	...	1	5·0	+ ·01	− ·22	21
22	3	2·6	+ ·03	+ ·19	3	2·6	+ ·16	−0·78	3	2·6	+ ·09	+0·8	3	2·6	+ ·05	+ ·04	1	1·9	+ ·11	−0·92	3	2·6	+ ·03	+0·07	3	2·6	+ ·04	+ ·10	22
23	2	4·5	− ·04	+ ·05	2	4·5	− ·05	−1·42	2	4·5	− ·22	+0·3	2	4·5	+ ·13	+ ·42	...	...	...	...	1	4·1	·00	−0·50	2	4·5	+ ·03	+ ·12	23
24																													24

From these comparisons the following corrections were derived to reduce the various Catalogues to Newcomb's System for the Zone Dec. $-40°$ to $-52°$:—

				No. of Stars.
N − t	$\Delta\alpha = -0^s\cdot096$		$\Delta\delta = +1''\cdot54$	60, 59
N − 40	$\Delta\alpha = +\ \cdot036$		$\Delta\delta = -0''\cdot01$	55
N − 50	$\Delta\alpha = -\ \cdot070$		$\Delta\delta = +0''\cdot11$	59, 58
N − 60	$\Delta\alpha = +\ \cdot050$		$\Delta\delta = +0''\cdot12$	45, 46
N − 65	$\Delta\alpha = -\ \cdot001$		$\Delta\delta = +0''\cdot33$	36
N − M	$\Delta\alpha = +\ \cdot016$	$-0^s\cdot019\cos\alpha - 0^s\cdot031\sin\alpha$;	$\Delta\delta = -0''\cdot44$	55
N − G	$\Delta\alpha = -\ \cdot035$	$+0^s\cdot017\cos\alpha - 0^s\cdot029\sin\alpha$;	$\Delta\delta = +0''\cdot05$	62
N − Z	$\Delta\alpha = -\ \cdot022$	$+0^s\cdot049\cos\alpha - 0^s\cdot040\sin\alpha$;	$\Delta\delta = -1''\cdot04$	58
N − Ms	$\Delta\alpha = +\ \cdot053$	$-0^s\cdot046\cos\alpha - 0^s\cdot020\sin\alpha$;	$\Delta\delta = +0''\cdot76$	58, 57
N − 80	$\Delta\alpha = +\ \cdot055$	$+0^s\cdot015\cos\alpha + 0^s\cdot013\sin\alpha$;	$\Delta\delta = -0''\cdot04$	61
N − m	$\Delta\alpha = +\ \cdot087$	with Auwers' periodic cor. (A.N. 3413);	$\Delta\delta = -0''\cdot89$	6
N − 85	$\Delta\alpha = +\ \cdot021$		$\Delta\delta = -0''\cdot15$	49
N − 90	$\Delta\alpha = +\ \cdot015$		$\Delta\delta = +0''\cdot03$	61

There are only 21 stars common to Newcomb's Catalogue and Cape 1900, and these give the following comparison:— $C_{00} - N$.

No. in C_{00}	Mag.	αC_{00}	αN	δC_{00}	δN	$C_{00} - N$		No. of Obs. in C_{00}
						$\Delta\alpha$	$\Delta\delta$	
		h m s	s	° ′ ″	″	s	″	
25	4·0	0 4 20·24	20·19	−46 17 56·7	57·2	+0·05	+0·5	3
203	5·0	0 36 36·05	35·99	−46 38 2·2	3·0	+ ·06	+0·8	3
347	4·0	1 1 37·34	37·23	−47 15 14·4	16·0	+ ·11	+1·6	3
607	4·5	1 49 38·24	38·13	−46 47 32·4	33·4	+ ·11	+1·0	3
795	4·0	2 23 19·16	19·13	−48 9 9·1	8·9	+ ·03	−0·2	3
1087	4·5	3 15 56·07	55·99	−43 27 8·2	7·8	+ ·08	−0·4	5
1167	6·0	3 29 35·76	35·73	−50 43 3·9	4·8	+ ·03	+0·9	3
1410	4·0	4 10 41·26	41·29	−42 32 27·3	27·9	− ·03	+0·6	5
2348	3·0	6 47 27·29	27·28	−50 29 43·1	44·1	+ ·01	+1·0	3
3879	3·0	10 42 28·06	28·03	−48 53 30·6	30·9	+ ·03	+0·3	3
4192	5·8	11 31 4·63	4·61	−47 5 13·6	13·6	+ ·02	0·0	3
4281	5·0	11 46 8·62	8·54	−44 36 60·8	59·0	+ ·08	−1·8	3
6510	4·0	17 58 50·79	50·78	−50 5 52·1	53·2	+ ·01	+1·1	3
6634	4·0	18 19 33·54	33·51	−46 1 24·6	24·5	+ ·03	+0·1	5
6956	4·0	19 16 57·53	57·53	−40 48 14·7	14·1	·00	−0·6	5
7131	5·0	19 48 21·83	21·75	−42 7 51·4	51·4	+ ·08	0·0	5
7377	3·0	20 30 32·09	32·01	−47 38 25·1	24·9	+ ·08	−0·2	3
8091	2·0	22 36 41·83	41·86	−47 24 26·9	27·3	− ·03	+0·4	3
8126	4·0	22 42 30·99	30·93	−51 50 33·2	33·5	+ ·06	+0·3	3
8249	4·0	23 4 42·04	41·96	−45 47 18·1	18·2	+ ·08	+0·1	3
8387	4·8	23 29 41·82	41·78	−43 10 5·2	4·9	+ ·04	−0·3	5

In the mean we have—

For $C_{\infty} - N$, $\Delta\alpha = +0^{s}\cdot044$; $\Delta\delta = +0''\cdot24$ from 21 stars, mean mag. 4·2, with the probable error $\pm 0\cdot006$ and $\pm 0\cdot10$.

Newcomb's place of the Star C_{∞} 4281 seems to be slightly erroneous, for we have when reduced to the System of N.:—

Cat.	No. of Obs.	Epoch from 1900.	Seconds of α 1900.	Syst. Correc.	α Corrected.	Weight.	v	Epoch from 1900.	Seconds δ 1900.	Syst. Correc.	δ Corrected.	Weight.
			s	s	h m s		s		"	"	° ′ ″	
t	3, 4	− 63·0	9·41	−0·10	11 46 9·31	0·1	0·00	−63·7	0·8	+ 1·6	−46 36 59·2	0·1
40	0, 3	..	..	..	..	..	..	−57·9	0·9	0·0	60·9	0·3
50	3, 2	− 45·9	9·14	− ·07	9·07	0·3	− ·04	−47·0	2·1	+ 0·1	62·0	0·3
G	4	− 23·8	8·92	− ·05	8·87	0·8	+ ·01	−23·9	0·1	+ 0·1	60·0	0·3
80	3	− 21·0	8·77	+ ·03	8·80	1·0	− ·02	−21·0	0·5	0·0	60·5	0·7
Ms	5	− 19·9	8·63	+ ·10	8·73	0·5	− ·08	−19·9	1·5	+ 1·0	60·5	0·5
90	12, 11	− 7·7	8·66	+ ·01	8·67	2·5	·00	− 7·8	1·2	0·0	61·2	2·2
C_{00}	3	− 1·7	8·64	− ·04	8·60	1·8	·00	− 1·7	0·8	− 0·3	61·1	1·2

$\alpha_{1900} = 11^{h}\ 46^{m}\ 8^{s}\cdot58$, $\mu_{\alpha} = -0^{s}\cdot0116$; $\delta = -46^{\circ}\ 37'\ 1''\cdot1$, $\mu_{\delta} = 0''\cdot000$
N = 8·54 − ·0131; δ = 36 59·0 + 0·004

The adopted weights are taken from Auwers' Tables, *Ast. Nach.*, 3615–16.

If we reject the Star 4281 we get—

For $C_{\infty} - N$ - - -; $\Delta\alpha = +0^{s}\cdot042$ - - - - - $\Delta\delta = +0''\cdot34$
probable error $\pm$ ·006 - - - - - - $\pm 0\cdot09$

or, if we have regard to the doubtful periodic difference in R.A.—

$\Delta\alpha = +0^{s}\cdot042 + 0^{s}\cdot013 \cos\alpha - 0\cdot000 \sin\alpha$; $\Delta\delta = +0''\cdot34$
with probable error $\pm 0\cdot006 \pm 0\cdot008 \cos\alpha \pm 0\cdot009 \sin\alpha$; $\pm 0\cdot09$

In the formation of the systematic correction for computing the proper motions (pp. 293–390), however, the original result $C_{\infty} - N$ - - - $\Delta\alpha = +0^{s}\cdot044$; $\Delta\delta = +0''\cdot24$ was adopted.

If we apply this correction to the values of N − t, N − 40, &c., which are given on the preceding page, we get the values of the corrections C_{∞} − t, C_{∞} − 40, &c., which are applicable to the various Catalogues, provided that there is no correction in Right Ascension depending on magnitude.

Corrections in R.A. depending on Magnitude.

The only southern Catalogues about which we have any knowledge of the personality of the observers are the Cape Catalogues for 1880, 1885, 1890, and 1900, because screen-observations for personality depending on magnitude were made soon after my arrival at the Cape in 1879, and at subsequent times; but, so far as I am aware, no similar observations have been made at other southern observatories. Of these Catalogues, however, only in the Cape 1900 Catalogue have the results in R.A. been corrected for magnitude personality.

Within limits sufficient for our purpose, the corrections applicable to the mean observer were found to be identical for most of these Catalogues, viz.:—

Magnitude.	M. Correction.	Magnitude.	M. Correction.
	s		s
1	+ 0·02	6	− 0·02
2	+ ·01	7	− ·03
3	+ ·005	8	− ·04
4	·00	9	− ·055
5	− ·01	10	− ·075

And this we shall call "the mean magnitude-correction," or M. How far it is applicable to all other Catalogues we shall presently examine.

As an illustration of the difficulties which beset such an investigation, let us take the following example:—

		Mean Mag.
From 21 stars common to N and C_{oo} (Dec. − 40° to − 52);	$C_{oo} - N = +0^s{\cdot}044$	4·2
„ 61 „ „ 80 „ N „ „	$N - 80 = +0^s{\cdot}055$	3·8
whence	$C_{oo} - 80 = +0^s{\cdot}099$	4·0
From 681 stars, without regard to proper motion	$C_{oo} - 80 = +0^s{\cdot}011$	6·8
„ 813 „ „ „ „	$C_{oo} - 80 = -0^s{\cdot}014$	7·9

As the Cape Catalogue for 1900 has been very rigorously corrected for personal equation depending on magnitude, the above values should be the corrections required by the Cape Catalogue for 1880 depending on magnitude. These results would imply that the correction applicable to the R.A. of an 8th mag. star, as compared with 4th mag. as standard, is $-0^s{\cdot}11$, whereas we know with certainty that, for the 1880 Catalogue, the correction does not exceed half that amount. Take, further, Taylor's Madras Catalogue, we then have—

		Mean Mag.
From 62 stars common to N and t (Dec. − 40° to − 52);	$N - t = -0^s{\cdot}096$	3·8
„ 21 „ „ N „ C_{oo} „ „	$C_{oo} - N = +0^s{\cdot}044$	4·2
whence	$C_{oo} - t = -0^s{\cdot}052$	4·0
From 218 stars, without regard to proper motion	$C_{oo} - t = -0^s{\cdot}188$	5·8
„ 462 „ „ „ „	$C_{oo} - t = -0^s{\cdot}315$	7·4

Is it here possible to suppose that the true magnitude-correctious to Taylor's Catalogue are, as would be implied by the above results?

Mag.	Correction.
	s
4·0	0·000
5·8	— ·136
7·4	— ·263

As a matter of fact there does exist an instance of a magnitude personality of this amount, and it will be found (Cape Annals, Vol. VII., p. 519) in Auwers' discussion of Professor Peters' observations of the Victoria Comparison Stars at Königsberg.

That the places of Taylor's Catalogue are not affected by any such exceptional personality is, however, proved by the following comparison of Taylor with the A.G.C., which has been kindly forwarded to me by Professor Auwers:—

t – A.G.C.

(After subtracting systematic $\Delta\alpha$, depending on δ and α.)

Mag.	Resid.	Mag.	Resid.
	s		s
1·21	+ 0·011	4·65	— 0·011
2·30	·000	5·10	+ ·016
3·16	— ·010	5·70	— ·019
3·66	+ ·004	6·05	+ ·021
4·08	— ·001		

And Auwers, with good reason, remarks: "There is no trace of an equation differing from that of the A.G.C."

If we even suppose that a personality depending on magnitude begins in the case of the Madras Catalogue only for stars fainter than 6th Magnitude, one is at a loss to account for a correction of $-0^s\cdot136$ for stars of mag. 5·8.

It would appear from this evidence *that the proper motions of the fainter stars in Zone* -40° to -52° *are not in the mean equal to zero, when compared with the system of Newcomb's Catalogue.*

In order to further examine this question, an assumption was made as to the personal equation of the Madras observers, viz., that their magnitude-equation is the same as "the mean magnitude-correction" of the mean Cape observer (p. xxx). This hypothesis is so far justified by the fact that the magnitude-equation of the mean of two considerable groups of observers, selected by chance, will generally be nearly identical. This may be proved by comparing star-catalogues made nearly at the same date by different groups of observers. Such Catalogues exhibit systematic discordances in different zones, but, as a rule, no very sensible systematic difference depending on magnitude. (*See* Cape Cat. 1890, pp. xxxiv. to xl.).

This does not imply that the "magnitude-equation" of the mean observer is zero; on the contrary, we now know from extensive experience that the mean observer's magnitude-equation is a real and considerable quantity, amounting in the mean to fully $0^s \cdot 010$ per magnitude.

Had not the amount of this personality been so nearly the same for the mean observer, the frequent intercomparison of Star-Catalogues would long ago have revealed its existence. I believe that the matter was first indicated when the writer, by comparing the results of meridian observations of the Mars Comparison Stars, found discordances depending on magnitude between the results of different observers (Monthly Notices, R.A.S., Vol. xxxix., p. 111). The definitive proof of the existence of a systematic error, common to most observers, was first given when the 70 mutual distances of these Mars Comparison Stars, as measured with the Heliometer, were compared with the tabular distances computed from the Right Ascensions and Declinations derived from the Meridian Observations (Mem., R.A.S., Vol. xlvi., pp. 56–71).

The most complete investigation of the kind will be found in Auwers' discussion of the *Iris*, *Victoria*, and *Sappho* Comparison Stars (Cape Annals, Vol. vii.) and the triangulations of the Victoria Comparison Stars (Cape Annals, Vol. vi.). A study of the details of these and similar investigations shows that, whereas in the first instance it seemed as if the "eye and ear" observers were not affected by personality depending on magnitude, we know now that, in the mean, there is very little difference in the amount of the magnitude-equation for the average observer, whether the observations are made by chronograph or "eye and ear." It is thus very reasonable to adopt as a preliminary assumption that the magnitude-equation of the Madras observers was the same as that of the mean Cape observer of the present day.

Accordingly the Right Ascensions of all stars in t which are common to C_∞ and t were corrected by "the mean magnitude-correction," quoted at p. xxx, and proper motions were derived for them from the two Catalogues. If these proper motions are correct we should be able to bring up the places of 80 to C_∞ without sensible error in the mean, and if we also apply to the Right Ascensions of 80 the known "magnitude-correction" the agreement between the resulting comparison with C_∞ should be perfect.

We have already found by comparison through N., that for 4th mag. stars, with N.'s precession and proper motions—

$$C_\infty - 80 = + 0^s \cdot 099 + 0^s \cdot 015 \cos \alpha + 0^s \cdot 013 \sin \alpha.$$

Applying this correction + the magnitude-correction, and employing proper motions derived in the way described, the places of the 764 stars common to 80 and C_∞ were reduced from the epochs and equinox of 80 to the epochs and equinox of C_∞.

In this way the following comparison was obtained :—

$C_\infty - 80$ (corrected).			
Mean Mag.	$\Delta\alpha$	No. of Stars.	Dif. from Mean.
5·8	$+ 0^s\cdot002$	250	$+ 0^s\cdot012$
7·0	+ ·024	189	− ·010
7·6	+ ·018	234	− ·004
8·2	+ ·011	91	+ ·003
	Mean + 0·014	Total 764	

There is here no sign of any outstanding "magnitude-correction," and as the magnitude-corrections which were adopted for the 1880 Catalogue are known to be very near the truth, the magnitude-corrections which have been adopted for Taylor must also be approximately correct. It is, of course, true that whilst the proper motions derived from t depend on an average interval of about 60 years, and the difference of Epoch $C_\infty - 80$ is about 22 years in the mean, the effect of errors in the "magnitude-equations" applied to Taylor are diminished in the above table to nearly one third. Even so, the result must, on the whole, be regarded as sufficiently approximate for our purpose.

The small constant mean difference, $+ 0^s\cdot014$, is quite within the uncertainty which arises from the comparison of C_∞ with N. and 80.

Thus, on the hypothesis that the proper motions of the fainter stars of this zone are not necessarily zero in the mean, and on the further quite reasonable hypothesis that the magnitude-error of the mean Madras Observer was the same as that of the Cape Observer, we arrive at practically the same magnitude-corrections for the Observers of the Cape 1880 Catalogue as have been arrived at by direct observation.

This magnitude-correction was then assumed to be applicable to all the Catalogues, and was accordingly applied. But, as will be shown immediately, this assumption was not justified in one particular case.

For Gould's Cordoba General Catalogue (G) we find :—

$$N - G = - 0^s\cdot035 + 0^s\cdot017 \cos\alpha - 0^s\cdot029 \sin\alpha$$

and $$C_\infty - N = + 0^s\cdot044$$

whence $$C_\infty - G = + 0^s\cdot009 + 0^s\cdot017 \cos\alpha - 0^s\cdot029 \sin\alpha.$$

This correction was applied to all the stars in G which are common to t and C_∞ in addition to the magnitude-corrections, and then employing the proper motions of these

764 stars as determined in the way already described, their places were brought up from the epochs and equinox of G to the epoch and equinox of C_{∞}, with the following mean result:—

Mean Mag.	No. of Stars.	$C_{\infty} - G$.
5·8	250	$-0^{s}\cdot017$
7·0	189	$+ \cdot013$
7·6	234	$+ \cdot043$
8·2	91	$+ \cdot071$

These values of $C_{\infty} - G$ are rather larger in amount than, and of opposite sign to, those which were applied on account of magnitude-personality. It would thus seem that the Right Ascensions of the Cordoba General Catalogue are affected by a personality depending on magnitude of the opposite sign from that of any other Catalogue. In the computation of the proper motions it was considered best simply to omit the magnitude-correction in the case of G, and to adopt throughout for the Right Ascensions only the correction—

$$C_{\infty} - G = + 0^{s}\cdot009 + 0^{s}\cdot017 \cos\alpha - 0^{s}\cdot029 \sin\alpha.$$

For the Cordoba Zones (Z) there are 59 stars between Dec. $-40°$ and $-52°$ common to N and Z. These, with Newcomb's precession and proper motion, give—

$$N - Z = - 0^{s}\cdot022 + 0^{s}\cdot049 \cos\alpha - 0^{s}\cdot040 \sin\alpha$$

and we have $$C_{\infty} - N = + 0^{s}\cdot044$$

whence $$C_{\infty} - Z = + 0^{s}\cdot022 + 0^{s}\cdot049 \cos\alpha - 0^{s}\cdot040 \sin\alpha$$

We have also $$C_{\infty} - 80 = + 0^{s}\cdot099 + 0\cdot015 \cos\alpha + 0\cdot013 \sin\alpha$$

Applying these corrections to Z and 80, and reducing them to the same epoch and equinox, we get with the proper motions found as above:—

80 − Z.		
Mean Mag.	No. of Stars.	$\Delta\alpha$.
5·8	250	$-0^{s}\cdot022$
7·0	189	$- \cdot019$
7·6	234	$+ \cdot002$
8·2	91	$+ \cdot016$

These quantities were regarded as unimportant, and we may assume, within these limits, that the true magnitude-equation of Z is the same as that of 80.

Many comparisons have been made between the earlier Cape Catalogues and the other Catalogues employed in the present work, without the detection of any marked difference in R.A. depending on magnitude.

It appeared, therefore, sufficient for the purpose of determining the proper motions of the present Catalogue, to assume that for all the other Catalogues except G the correction depending on magnitude is the same as for the Cape 1880 Catalogue (*i.e.*, that of the mean Cape Observer), and, in the case of G only no magnitude-correction is requisite.

The actual corrections applied to the places of the various Star-Catalogues, before deriving by comparison with the present Catalogue the proper motions which are given at pp. 293 to 390, were the following; they result from the separate comparison of each Catalogue with N (*see* p. xxviii) combined with the equations at p. xxix; viz.:—

$$\Delta\alpha_{C_\infty} - N = +\,0^s\cdot044\,;\quad \Delta\delta_{C_\infty} - N = +\,0''\cdot24.$$

Corrections applied to the Places of the various Catalogues to reduce them to the System of C_∞.

(Applicable to stars between Dec. $-40°$ and $-52°$.)

Catalogue.	$\Delta\alpha =$	s			$\Delta\delta =$	″
t	$-0\cdot05$				$+1\cdot8$	
40	$+0\cdot08$				$+0\cdot2$	
50	$-0\cdot03$				$+0\cdot3$	
60	$+0\cdot09$				$+0\cdot4$	
65	$+0\cdot04$				$+0\cdot6$	
M	$+0\cdot06$	$-0\cdot019\cos\alpha$	$-0\cdot031\sin\alpha$		$-0\cdot2$	
G	$+0\cdot01$	$+\ \cdot017$	$-\ \cdot029$		$+0\cdot3$	
Z	$+0\cdot02$	$+\ \cdot049$	$-\ \cdot040$		$-0\cdot8$	
Ms	$+0\cdot10$	$-\ \cdot046$	$-\ \cdot020$		$+1\cdot0$	
80	$+0\cdot10$	$+\ \cdot015$	$+\ \cdot013$		$+0\cdot2$	
m	$+0\cdot13$	with Auwers' periodic cor. (A.N. 3413)			$-0\cdot6$	
85	$+0\cdot06$				$+0\cdot1$	
90	$+0\cdot06$				$+0\cdot3$	

In addition to which "the mean magnitude-correction" quoted at p. xxx was applied to the places of all the above Catalogues except G.

In deriving the proper motions, the above systematic corrections were applied to all the Catalogues. The present Catalogue was assumed to be free both from systematic and accidental error. This is not of course the most rigorous method for the determination of proper motion when observations exist at many different observatories, but it is sufficient for our present purpose, and for the great majority of stars it is practically the only one available.

In combining the proper motions derived from comparison of C_{oo} with each of the separate Catalogues the following system of weights of the derived proper motion was adopted:—

Weights of Proper Motions in R.A. derived from the different Catalogues.

Number of Obs.	Catalogues.							
	t 50 60 65	40 M	G 80 m Ms if Δ Ep. is > 30 y.	Z	85 Ms if Δ Ep. is > 20 y.	Ms if Δ Ep. is 13 y. to 20 y.	90	
							Δ Ep. 15 y.	8 y.
1	1	2	$\frac{1}{3}$	$\frac{1}{6}$	$\frac{1}{6}$	0	0	0
2	2	4	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	0	$\frac{1}{3}$	0
3	3	6	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{10}$	$\frac{1}{2}$	0
4	4	7	1	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{10}$	1	0
5	5	8	2	1	1	$\frac{1}{5}$	1	0
6	5	9	2	1	1	..	1	$\frac{1}{3}$
7	6	11	2	1	1	..	1	$\frac{1}{3}$
8	7	12	2	1	2	..	1	$\frac{1}{3}$
9	8	13	2	1	2	..	1	$\frac{1}{3}$
10	9	14	3	$1\frac{1}{2}$	2	..	2	$\frac{1}{2}$
15	11	18	3	$1\frac{1}{2}$	3	..	2	1
20	12	21	..	..	..	..	3	1
25	..	25	..	..	..	..	..	..
30	..	28	..	..	..	..	..	..
35	..	29	..	..	..	..	..	..
40	..	31	..	..	..	..	..	..

Weights of Proper Motions in Declination derived from the different Catalogues.

Number of Obs.	Catalogues.						
	t 40 50 60	65 m 80	M	G Ms if Δ Ep. is > 20 y.	85, 90 Δ Ep. 15 y.	85, 90 Δ Ep. 8 y.	Z Ms Δ Ep. 13 y. to 20 y.
1	4	1	2	½	½	..	¼
2	7	2	4	1	1	..	½
3	9	3	6	1	1	⅓	½
4	11	3	7	2	2	½	1
5	13	4	8	2	2	½	1
6	14	5	9	3	3	1	1½
7	16	6	10	3	3	1	1½
8	18	6	11	3	3	1	1½
9	18	..	..	3	3	1	1½
10	19	..	..	4	4	1	2
15	22	..	..	5	6	2	2½
20	24	..	..	6	8	2	3
25 40	25	..	..	..	..	..	..

The separate results for proper motion are given at pp. 293 to 390, together with their means computed with the above weights.

The mean results for μ_α and μ_δ are entered respectively in columns 4 and 9 of the Catalogue, and are probably amply accurate enough for the purpose for which the work was originally undertaken, viz., to give the place of the Standard Stars for any astrographic catalogue plate at the epoch at which the plate was taken. As that epoch seldom differs 5 years from the epoch at which the corresponding meridian observations were made, the error due to faulty determination of the proper motion will generally be small compared with the probable error of the meridian observation.

In order to test the accuracy of the systematic corrections which have been applied to these Catalogues in forming the proper motions which are printed in the Catalogue, the following comparisons of all proper motions which are independently determined by comparison of C_{oo} with each of t, 80, and G were made. These proper motions might, in the mean, be supposed to be well determined on an approximately uniform system.

If μ_o is the mean proper motion, derived from these Catalogues, and μ_t, μ_{40}, μ_{60}, &c., the corresponding proper motion derived from the different Catalogues, we can form tables, as follows, of $\mu_o - \mu_t$, $\mu_o - \mu_{40}$, $\mu_o - \mu_{60}$, &c., giving in each case the value of $\Delta\mu_\alpha$ and $\Delta\mu_\delta$ for stars of different magnitude and R.A.

For the Catalogues t, 80, Ms., and G it is possible to divide the star-magnitudes into four groups, in the case of other Catalogues into two groups, retaining C_{60}, C_{65}, and M in one group only. The separate results are given in the following tables—except for $\mu_o - Z$, because when the reductions were planned and carried out it was considered unnecessary to bring up the places of Z to 1900 if the star occurred also in 80 and G, since in that case the determination of the proper motion would not be sensibly strengthened by the additional result from Z.

But if we can determine the systematic error of G, we have ample material for determining that of Z by direct comparison of μ_Z with μ_G, and this table is included in the following series.

$\mu_0 - \mu_t$.

Mag.	6·5 and Brighter.				6·6 to 7·2				7·3 to 7·9.				8·0 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.
0	s +·0023	" +·004	5·8	14	s +·0024	" +·006	7·0	7	s +·0020	" +·005	7·5	2	s +·0025	" +·015	8·4	2
1	+ 12	+ 8	5·6	13	+ 4	+ 9	7·0	8	− 13	+ 7	7·5	3	+ 20	− 5	8·2	2
2	− 4	+ 5	5·9	13	− 10	0	7·0	6	+ 8	+ 8	7·6	4	0	+ 10	8·0	2
3	+ 4	− 3	6·1	12	+ 3	+ 12	7·0	6	+ 5	+ 8	7·3	8	+ 10	− 2	8·1	5
4	+ 1	0	5·7	7	+ 19	− 2	7·0	9	− 3	0	7·5	7	− 3	0	8·2	3
5	+ 5	+ 10	6·3	2	+ 9	+ 4	7·0	8	− 1	+ 3	7·6	10	+ 4	+ 10	8·1	5
6	+ 2	+ 2	5·6	6	− 6	+ 1	7·0	7	+ 5	0	7·5	24	+ 8	+ 3	8·4	6
7	0	+ 9	5·7	13	+ 1	+ 2	7·0	11	+ 4	− 4	7·6	14	+ 10	− 5	8·3	4
8	+ 20	+ 1	6·1	15	+ 4	+ 1	7·0	12	+ 4	− 1	7·6	24	+ 7	+ 3	8·2	14
9	− 16	− 1	6·0	16	+ 1	+ 1	7·0	7	+ 5	− 1	7·5	19	+ 11	0	8·1	7
10	− 6	− 3	5·8	12	+ 12	− 4	7·0	5	− 3	+ 1	7·6	15	− 3	+ 2	8·2	6
11	− 2	+ 3	6·0	6	− 4	+ 1	7·0	12	+ 3	+ 4	7·6	14	− 5	− 7	8·2	6
12	− 6	− 3	5·8	13	− 10	− 8	7·0	13	− 3	− 10	7·6	7	+ 6	− 4	8·1	8
13	− 4	− 5	5·9	17	+ 12	− 4	7·0	17	+ 6	− 2	7·6	19	+ 10	− 12	8·3	4
14	− 4	+ 6	5·4	7	− 8	− 6	7·0	16	+ 2	− 3	7·6	20	+ 7	+ 2	8·1	4
15	− 12	+ 17	5·4	11	+ 10	− 5	7·0	10	+ 4	+ 3	7·5	10	0	+ 10	8·0	1
16	− 7	+ 13	6·1	9	− 4	− 3	7·0	11	+ 13	+ 11	7·5	10	+ 5	+ 12	8·1	4
17	− 6	+ 12	5·4	8	+ 7	+ 2	7·0	4	+ 24	+ 3	7·4	7	+ 30	0	8·3	2
18	+ 14	+ 1	5·8	11	+ 27	0	7·1	3	+ 7	+ 23	7·6	7	+ 7	0	8·2	3
19	+ 10	+ 6	5·8	10	0	0	7·0	1	0	0	7·5	1	− 20	0	8·0	1
20	− 8	+ 2	5·6	13	...	...	...	...	− 20	0	7·4	3	+ 10	...	8·2	1, 0
21	− 5	0	6·1	8	+ 5	+ 30	7·0	4	+ 3	+ 3	7·6	3	− 7	− 7	8·1	3
22	− 4	+ 4	5·6	12	− 3	+ 13	6·9	3	+ 17	+ 3	7·5	3	...	...	...	...
23	+ 19	+ 6	5·7	14	+ 5	+ 7	7·0	13	+ 13	+ 7	7·6	3	+ 40	+ 10	8·0	1
24																

In Three-Hour Groups.

0	+·0011	+·006	5·8	40	+·0007	−·005	7·0	21	+·0004	+·007	7·5	9	+·0015	+·007	8·2	6
3	+ 3	− 1	6·0	21	+ 11	+ 4	7·0	23	0	+ 4	7·5	25	+ 5	+ 3	8·1	13
6	+ 9	− 4	5·9	34	+ 1	− 1	7·0	30	+ 4	− 1	7·6	62	+ 8	+ 2	8·3	24
9	− 10	− 1	5·9	34	+ 1	0	7·0	24	+ 2	+ 1	7·6	48	+ 1	− 1	8·2	19
12	− 5	− 2	5·8	37	− 1	− 6	7·0	46	+ 3	− 4	7·6	46	+ 7	− 4	8·2	16
15	− 9	+ 14	5·6	28	+ 3	− 3	7·0	25	+ 13	+ 6	7·5	27	+ 11	+ 8	8·1	7
18	+ 4	+ 3	5·7	34	+ 20	0	7·1	4	− 1	+ 15	7·5	11	+ 2	0	8·2	5
21	+ 5	+ 4	5·8	34	+ 4	+ 12	7·0	20	+ 11	+ 4	7·6	9	+ 5	− 3	8·1	4
24																
	+·0001	+·003	5·8	262	+·0006	+·002	7·0	193	+·0004	+·004	7·5	237	+·0007	+·001	8·2	94

Mag.	$\mu_0 - \mu_{40}$. 6·5 and Brighter.				$\mu_0 - \mu_{40}$. 6·6 and Fainter.				$\mu_0 - \mu_{50}$. 6·5 and Brighter.				$\mu_0 - \mu_{50}$. 6·6 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.
0	s −·0011	″ +·018	5·8	9, 4	s −·0028	″ −·003	7·2	5, 3	s −·0020	″ −·006	5·8	15, 14	s −·0036	″ −·017	7·3	9
1	− 5	+ 2	5·4	11	− 3	− 10	7·0	3	− 4	− 2	5·6	13	− 7	− 12	7·2	12
2	+ 16	− 2	6·0	10. 5	0	0	7·2	6, 3	+ 2	− 10	6·0	11	+ 6	+ 6	7·2	8, 7
3	+ 1	0	5·8	8	+ 3	− 7	7·2	6, 7	− 9	+ 7	6·0	11, 10	− 10	− 14	7·2	9
4	+ 7	− 8	5·6	6	− 2	+ 7	7·0	9	− 4	+ 3	5·7	7	− 10	− 2	7·0	10
5	− 5	0	5·9	2, 3	− 2	+ 10	7·3	12, 8	+ 10	0	6·0	1, 3	− 13	− 8	7·3	12, 13
6	− 3	+ 9	5·5	7	− 5	0	7·5	6, 7	+ 15	− 5	5·7	8	− 2	− 5	7·5	17, 16
7	+ 2	+ 7	5·7	10, 11	− 4	+ 13	7·4	5, 7	− 9	− 1	5·7	14	− 17	+ 5	7·3	10, 6
8	− 6	− 1	5·9	7, 12	0	+ 10	7·1	3	− 16	+ 2	6·0	14, 15	− 20	+ 4	7·3	12
9	+ 12	+ 5	6·0	9, 8	− 17	+ 15	7·2	3, 2	− 9	− 2	6·0	12, 11	− 19	− 2	7·3	7, 9
10	− 6	0	5·7	5	0	...	7·2	2, 0	− 21	− 3	5·7	8, 11	(− 60)	0	6·8	2
11	− 8	− 10	6·1	4	− 10	+ 15	6·9	2	− 3	− 8	5·9	3, 5	− 4	− 2	7·1	5, 11
12	− 7	+ 7	5·6	8, 9	− 15	...	7·8	2, 0	+ 4	+ 2	5·7	8, 11	0	− 5	7·0	2
13	− 3	− 3	5·4	9, 7	− 20	+ 10	6·8	1	+ 2	− 2	5·7	10, 13	+ 3	− 2	6·8	3, 4
14	+ 20	+ 3	5·2	4, 6	+ 10	− 20	7·0	2	− 10	− 13	5·2	6	+ 12	+ 8	7·0	4
15	+ 3	− 2	5·3	10, 9	+ 5	+ 5	7·4	2	− 4	− 16	5·4	10	− 21	+ 3	7·3	7
16	+ 3	− 4	6·0	6, 8	− 3	− 10	7·0	3, 1	− 5	− 16	6·1	8, 9	− 13	− 3	7·2	9, 7
17	− 3	+ 7	5·5	7, 6	0	...	7·4	2, 0	− 10	− 9	5·5	10	− 11	+ 5	7·2	7, 8
18	− 6	0	5·5	8, 1	+ 20	+ 10	7·2	1	− 10	+ 1	5·6	9, 10	− 28	+ 2	7·3	6
19	+ 10	...	5·3	5, 0	− 10	+ 5	7·5	1, 2	− 21	− 2	5·7	9	− 30	− 5	7·5	2
20	− 5	+ 5	5·0	6, 2	+ 10	...	7·3	1, 0	− 3	− 2	5·4	9, 10	− 16	+ 4	7·5	8
21	+ 10	...	5·9	4, 0	...	...	...	...	− 10	− 4	6·1	8	− 18	− 10	7·2	5
22	+ 11	+ 10	5·0	8, 3	+ 30	...	6·8	1, 0	− 18	− 3	5·7	12	− 17	− 3	7·3	9, 10
23	+ 1	− 5	5·6	8, 2	+ 17	...	7·0	3, 0	− 15	− 7	5·8	13, 12	− 27	− 14	7 2	10, 9
24																
In Three-Hour Groups.																
0	·0000	+ ·004	5·7	30, 20	− ·0011	− ·004	7·2	14, 9	− ·0008	− ·006	5·8	39, 38	− ·0009	− ·009	7·2	29, 28
3	+ 3	− 3	5·8	16, 17	− 1	+ 4	7·2	27, 24	− 6	+ 5	5·9	19, 20	− 11	− 8	7·2	31, 32
6	− 2	+ 4	5·7	24, 30	− 4	+ 7	7·3	14, 17	− 6	− 1	5·8	36, 37	− 11	0	7·4	39, 34
9	+ 3	0	6·0	18, 17	− 10	+ 15	7·1	7, 4	− 12	− 3	5·7	23, 27	− 13	− 2	7·1	12, 22
12	0	+ 3	5·5	21, 22	− 6	− 10	7·2	5, 3	0	− 3	5·6	24, 30	+ 6	+ 1	7·0	9, 10
15	+ 1	0	5·6	23, 23	0	0	7·2	7, 3	− 6	− 14	5·7	28, 29	− 15	+ 1	7·2	23, 22
18	− 1	+ 3	5·3	19, 3	+ 7	+ 7	7·3	3, 3	− 11	− 1	5·6	27, 29	− 22	+ 2	7·4	16, 16
21	+ 7	+ 4	5·5	20, 5	+ 20	...	7·0	4, 0	− 15	− 5	5·9	33, 32	− 21	− 9	7·2	24, 24
24																
	+ ·0001	+ ·002	5·6	171, 137	− ·0001	+ ·003	7·2	81, 63	− ·0008	− ·003	5·8	229, 242	− ·0012	− ·003	7·2	183, 188

In the case of the Cape Catalogues for 1860 and 1865 the numbers of stars fainter than Mag. 6·5, common to t, 80, and C_{∞} in our zone, is so small, that no satisfactory comparison of their proper motions is possible. Even such stars of 6·5 mag. or brighter are comparatively so few in number, and so many of them were observed only once, that it became necessary to discuss them in groups of 3^h in R.A., and to give each separate value of $\mu_o - \mu_{60}$ or of $\mu_o - \mu_{65}$ weight according to the number of observations, instead of according to the number of stars, as was done in comparing the larger Catalogues.

In this way the following results were obtained :—

	$\mu_o - \mu_{60}$				$\mu_o - \mu_{65}$			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Obs.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Obs.
h								
0	− ˢ·0007	− ″·011	4·6	31, 35	− ·0013	+ ″·001	5·3	37, 39
3	+ 5	− 8	4·9	29, 30	− 1	+ 3	6·2	14
6	− 7	+ 20	5·0	3, 4	− 3	+ 9	5·6	24
9	− 1	− 11	5·3	7	+ 15	− 7	5·0	12
12	− 22	+ 14	5·1	10	− 6	− 1	4·8	29, 33
15	− 23	+ 2	4·8	11, 12	0	+ 8	4·7	13, 16
18	− 8	+ 7	4·9	35, 38	− 4	+ 12	5·0	17, 21
21	+ 4	− 8	5·1	43, 46	+ 3	+ 19	5·8	13
24								
	− ·0007	+ ·001	5·0	169, 182	− ·0001	+ ·0005	5·3	159, 172

$\mu_O - \mu_M$.									$\mu_O - \mu_m$.							
Mag.	6·5 and Brighter.				6·6 and Fainter.				6·5 and Brighter.				6·6 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.
	s	"			s	"			s	"			s	"		
0	−·0010	+·027	4·3	3	...	...	...	...	+·0019	−·016	6·0	7	+·0018	+·015	7·3	6
1	− 5	− 10	4·8	4	...	...	...	...	− 27	− 10	5·5	3	+ 12	+ 15	7·2	6
2	− 3	+ 33	4·5	3	...	...	...	...	+ 47	− 3	6·5	3	+ 48	0	7·2	4
3	− 5	0	4·6	2	−·0010	−·030	7·2	1	+ 20	− 23	6·3	3	...	...	...	...
4	+ 2	+ 15	5·4	4	...	...	...	...	...	...	...	...	+ 55	+ 30	7·0	2
5	...	...	...	...	− 10	+ 10	7·0	3	...	...	...	...	− 10	+ 23	7·5	3
6	0	− 20	3·0	1	...	...	...	...	0	+ 20	6·2	2	− 10	+ 45	7·5	2
7	+ 2	+ 5	5·1	4	...	...	...	...	0	− 20	5·0	1	− 20	− 30	7·7	1
8	− 10	+ 10	6·0	3	− 20	− 40	7·3	1	− 27	− 13	6·2	3	− 22	− 32	7·1	4
9	...	...	...	...	− 15	− 35	7·8	2	− 5	0	6·2	2	0	− 10	7·1	1
10	0	− 15	4·5	2	...	...	...	...	− 20	− 30	5·0	1	...	...	...	...
11	...	...	...	...	...	...	...	...	...	...	...	...	− 20	− 47	7·3	4
12	+ 10	− 30	4·2	2	...	...	...	...	− 20	− 50	6·1	3	...	...	...	...
13	+ 3	− 10	5·0	3	...	...	...	...	+ 3	− 13	6·0	3	− 10	− 30	7·1	2
14	− 2	− 10	4·6	4	...	...	...	...	+ 15	− 45	6·2	2	...	...	...	...
15	0	− 3	5·3	3	...	...	...	...	+ 17	− 53	5·1	3	...	...	...	...
16	...	...	...	...	− 3	− 13	7·1	3	+ 10	− 10	6·0	1	+ 20	− 10	7·0	1
17	− 10	− 30	4·0	2	...	...	...	...	+ 10	− 40	5·6	2	...	...	...	...
18	+ 5	0	5·0	2	− 15	− 15	7·5	2	+ 20	− 30	5·8	3	− 20	− 20	7·2	1
19	+ 2	− 17	5·0	4	...	...	...	...	− 30	− 70	5·7	2	...	...	...	...
20	+ 20	0	3·0	1	0	... 10	8·0	1	+ 40	− 20	6·0	3	+ 5	− 5	7·6	2
21	− 10	− 5	6·2	2	− 10	− 10	7·9	4	0	+ 10	6·0	2	+ 25	− 25	7·0	2
22	− 2	+ 10	4·5	6	− 5	− 5	7·7	4	+ 3	+ 10	6·2	3	− 10	+ 35	7·7	2
23	− 10	0	5·4	4	...	...	...	...	− 10	00	5·0	1	+ 4	+ 31	7·0	7
24																
In Three-Hour Groups.																
0	−·0006	+·014	4·5	10					+·0015	−·012	6·0	13	+·0023	+·014	7·2	16
3	0	+ 10	5·1	6					+ 20	− 23	6·3	3	+ 16	+ 26	7·5	5
6	− 3	+ 4	5·2	8					− 13	− 3	6·0	6	− 18	− 10	7·3	7
9	0	− 15	4·5	2					− 10	− 10	5·8	3	− 16	− 40	7·3	5
12	+ 2	− 14	5·5	9	Insufficient Data.				− 3	− 35	6·1	8	− 10	− 30	7·1	2
15	− 4	− 14	4·7	5					+ 13	− 41	5·4	6	+ 20	− 10	7·0	1
18	+ 5	− 10	4·7	7					+ 15	− 36	5·8	8	− 3	− 10	7·5	3
21	− 6	+ 4	5·1	2					0	+ 8	5·9	6	+ 5	+ 22	7·1	11
24																
	−·0001	−·003	4·9	49					+·0005	−·019	5·9	53	+·0002	−·005	7·3	50

$\mu_O - \mu_G$.

Mag.	6·5 and Brighter.				6·6 to 7·2.				7·3 to 7·9.				8·0 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mean Mag.	No. of Stars.
	s	"			s	"			s	"			s	"		
0	+·0012	+·019	5·8	14	+·0016	+·003	7·0	7	−·0010	+·010	7·5	2	−·0010	+·005	8·4	2
1	− 7	− 2	5·6	13	− 1	+ 25	7·0	8	+ 23	+ 3	7·5	3	− 45	+ 20	8·2	2
2	− 12	− 2	5·9	13	− 15	+ 20	7·0	6	− 15	+ 20	7·6	4	+ 5	+ 5	8·0	2
3	+ 5	− 4	6·1	12	+ 7	− 3	7·0	6	− 16	− 9	7·3	8	− 34	0	8·1	5
4	− 7	+ 3	5·7	7	+ 9	+ 2	7·0	9	− 4	− 10	7·5	7	− 3	+ 33	8·2	3
5	− 10	+ 10	6·3	2	+ 19	− 4	7·0	8	+ 2	+ 1	7·6	10	− 4	0	8·1	5
6	+ 8	− 3	5·6	6	+ 19	+ 7	7·0	7	+ 3	− 10	7·5	24	+ 2	+ 13	8·4	6
7	+ 24	− 12	5·7	13	+ 8	− 10	7·0	11	+ 1	+ 9	7·6	14	− 13	+ 23	8·3	4
8	+ 5	− 2	6·1	15	+ 17	+ 6	7·0	12	0	+ 14	7·6	24	− 11	+ 14	8·2	14
9	+ 31	+ 01	6·0	16	+ 10	+ 7	7·0	7	+ 5	+ 7	7·5	19	− 4	+ 7	8·1	7
10	+ 29	+ 14	5·8	12	− 12	+ 24	7·0	5	+ 10	+ 19	7·6	15	− 25	− 2	8·2	6
11	+ 15	+ 20	6·0	6	+ 17	+ 16	7·0	12	− 2	+ 6	7·6	14	+ 5	+ 25	8·2	6
12	+ 54	+ 12	5·8	13	+ 46	+ 31	7·0	13	+ 16	+ 23	7·6	7	− 11	+ 23	8·1	8
13	+ 28	+ 17	5·9	17	+ 19	+ 14	7·0	17	+ 7	+ 26	7·6	19	− 2	+ 2	8·3	4
14	+ 46	− 4	5·4	7	+ 38	+ 14	7·0	16	+ 22	+ 16	7·6	20	+ 25	0	8·1	4
15	+ 34	+ 8	5·4	11	+ 13	+ 15	7·0	10	+ 8	+ 19	7·5	10	− 20	+ 10	8·0	1
16	+ 29	+ 3	6·1	9	+ 25	+ 20	7·0	11	+ 3	+ 7	7·5	10	+ 12	+ 22	8·1	4
17	+ 27	+ 6	5·4	8	+ 30	− 2	7·0	4	− 1	+ 10	7·4	7	+ 5	+ 30	8·3	2
18	+ 25	+ 7	5·8	11	+ 23	+ 43	7·1	3	+ 34	+ 20	7·6	7	− 17	+ 27	8·2	3
19	+ 11	+ 16	5·8	10	+ 40	+ 20	7·0	1	+ 20	+ 40	7·5	1	+ 50	+ 10	8·0	1
20	+ 38	+ 22	5·6	13	...	...	...	...	+ 30	+ 3	7·4	3	0	+ 40	8·2	1
21	+ 20	+ 28	6·1	8	+ 20	+ 20	7·0	4	+ 27	+ 23	7·6	3	+ 20	+ 33	8·1	3
22	+ 23	+ 9	5·6	12	+ 7	+ 17	6·9	3	+ 3	+ 23	7·5	3	...	...	...	...
23	+ 9	− 22	5·7	14	+ 13	+ 2	7·0	13	− 47	− 3	7·6	3	− 40	0	8·0	1
24																
	In Three-Hour Groups.															
0																
3	−·0002	+·005	5·8	40	+·0001	+·016	7·0	21	−·0001	+·012	7·5	9	−·0017	+·010	8·2	6
6	0	0	6·0	21	+ 12	− 1	7·0	23	− 5	− 5	7·5	25	− 15	+ 8	8·1	13
9	+ 13	− 6	5·9	34	+ 14	0	7·0	30	+ 1	+ 4	7·6	62	− 8	+ 15	8·3	24
12	+ 27	+ 9	5·9	34	+ 9	+ 15	7·0	24	+ 5	+ 10	7·6	48	− 8	+ 10	8·2	19
15	+ 41	+ 11	5·8	37	+ 33	+ 19	7·0	46	+ 15	+ 21	7·6	46	0	+ 12	8·2	16
18	+ 30	+ 6	5·6	28	+ 21	+ 14	7·0	25	+ 4	+ 12	7·5	27	+ 5	+ 23	8·1	7
21	+ 26	+ 15	5·7	34	+ 27	+ 37	7·1	4	+ 32	+ 17	7·5	11	0	+ 26	8·2	5
24	+ 17	+ 1	5·8	34	+ 13	+ 8	7·0	20	− 6	+ 14	7·6	9	+ 5	+ 25	8·1	4
	+·0019	+·005	5·8	262	+·0016	+·013	7·0	193	+·0006	+·011	7·5	237	−·0005	+·016	8·2	94

$\mu_O - \mu_{Ms}$.

Mag.	6·5 and Brighter.				6·6 to 7·2.				7·3 to 7·9.				8·0 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.
0	s +·0010	″ −·039	5·6	12	s −·0093	″ +·017	7·0	3	s +·0003	″ −·073	7·6	3	s −·0029	″ −·021	8·2	9
1	+ 57	+ 19	5·1	8	+ 20	− 13	7·0	3	− 25	− 13	7·5	2:3	+ 4	− 15	8·3	8, 6
2	− 50	00	5·1	5	− 37	− 13	7·0	6	− 65	+ 10	7·5	2	− 36	+ 4	8·7	10
3	+ 35	− 35	5·3	2	...	...	...	...	+ 15	+ 20	7·5	2	− 9	− 15	8·4	8
4	+ 12	+ 10	5·1	4	+ 23	+ 20	7·0	3	− 10	+ 15	7·5	2	+ 22	− 20	8·4	6
5	− 35	+ 13	5·7	2	0	+ 40	6·8	1	+ 7	0	7·8	3	+ 35	0	8·8	8
6	− 23	+ 17	5·0	3	+ 80	+ 50	7·1	2	+ 3	+ 2	7·9	1	+ 6	− 5	8·6	11
7	+ 6	− 4	5·4	8	+ 3	− 20	7·0	2	− 10	− 10	7·7	2	− 3	− 10	8·7	6
8	+ 23	+ 23	5·9	6	...	...	...	...	− 20	+ 30	7·6	2	− 9	− 9	8·8	7
9	+ 16	+ 20	5·5	5	0	− 20	7·0	1	...	...	...	...	+ 5	+ 7	8·7	4
10	− 10	+ 34	5·3	5	...	...	...	...	+ 20	0	7·8	1	+ 4	+ 8	8·6	5
11	− 40	+ 10	5·0	1	...	...	...	...	+ 5	+ 12	7·6	4	+ 10	+ 50	8·6	6
12	(− 95)	+ 30	4·2	2	...	...	...	...	(+ 130)	+ 20	7·8	1	+ 4	− 8	8·5	5
13	+ 13	+ 33	5·3	7	− 30	− 17	7·0	3	− 20	0	7·5	1	+ 35	− 30	8·6	2
14	+ 10	+ 22	5·0	4	+ 25	0	7·0	2	− 28	+ 5	7·6	4	− 7	+ 8	8·3	6
15	+ 40	+ 25	5·2	6	+ 5	+ 70	7·0	2	+ 20	− 20	7·5	1	+ 30	− 15	8·4	2
16	− 40	− 25	5·7	2	− 5	+ 45	7·1	2	− 23	+ 7	7·4	3	− 18	+ 7	8·6	6, 7
17	+ 40	+ 17	5·3	6	+ 40	+ 30	6·8	1	+ 19	+ 40	7·4	7	+ 20	+ 3	8·6	3
18	+ 44	+ 20	5·3	7	− 35	+ 30	6·9	2	− 30	+ 55	7·5	2	− 21	+ 22	8·5	9
19	− 29	+ 21	5·8	9	− 12	0	7·0	4	− 27	+ 60	7·3	3	− 6	+ 23	8·4	11, 10
20	− 5	− 3	5·6	8, 7	− 35	+ 10	7·2	2, 1	+ 30	− 13	7·5	3	− 11	− 13	8·4	9, 8
21	+ 17	+ 26	6·3	7	− 15	+ 20	7·0	2	+ 13	− 27	7·5	3	− 1	+ 8	8·5	13, 12
22	+ 13	+ 30	4·5	4	− 5	+ 15	6·9	2	− 40	+ 35	7·5	3	− 4	0	8·4	11, 10
23	(+ 80)	+ 43	4·7	4	− 35	− 5	6·9	2, 1	− 5	+ 33	7·6	4	+ 10	− 7	8·4	6
24																
	In Three-Hour Groups.															
0	+ ·0013	− ·013	5·3	25	− ·0037	− ·005	7·0	12	− ·0024	− ·030	7·5	7, 8	− ·0022	− ·010	8·4	27, 25
3	+ 6	0	5·4	8	+ 17	+ 25	6·9	4	+ 4	+ 10	7·6	7	+ 15	− 11	8·5	22
6	+ 7	+ 9	5·5	17	+ 41	+ 15	7·1	4	− 11	+ 8	7·7	5	− 1	− 7	8·7	24
9	− 1	+ 25	5·4	11	0	− 20	7·0	1	+ 8	+ 10	7·6	5	+ 7	+ 25	8·6	15
12	+ 12	+ 29	5·0	11, 13	− 8	− 10	7·0	5	− 22	+ 7	7·6	5, 6	+ 4	− 4	8·4	13
15	− 6	+ 15	5·3	14	+ 8	+ 52	7·0	5	+ 8	+ 25	7·4	11	+ 1	+ 2	8·6	11, 12
18	0	+ 13	5·6	24, 23	− 23	+ 10	7·0	8, 7	− 6	+ 31	7·4	8	− 12	+ 12	8·4	29, 27
21	+ 16	+ 32	5·4	11, 15	− 18	+ 13	6·9	6, 5	− 10	+ 16	7·5	10	0	+ 2	8·4	30, 28
24	+ ·0006	+ ·014	5·4	121, 126	− ·0003	+ ·010	7·0	45, 43	− ·0007	+ ·009	7·5	58, 60	− ·0001	+ ·001	8·5	171, 166
	Mean Δ Ep. $^{y}19{\cdot}3$				$^{y}18{\cdot}2$				$^{y}20{\cdot}3$				$^{y}22{\cdot}3$			

$\mu_0 - \mu_{80}$.

Mag.	6·5 and Brighter.				6·6 to 7·2.				7·3 to 7·9.				8·0 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.
0	s −·0005	″ −·014	5·8	14	s −·0004	″ −·017	7·0	7	s +·0015	″ −·020	7·5	2	s +·0055	″ −·010	8·4	2
1	+ 5	− 8	5·6	13	− 10	− 6	7·0	8	+ 40	− 30	7·5	3	− 5	+ 5	8·2	2
2	+ 23	0	5·9	13	+ 27	− 13	7·0	6	+ 13	− 27	7·6	4	+ 25	− 20	8·0	2
3	+ 27	− 10	6·1	12	0	− 10	7·0	6	+ 31	+ 1	7·3	8	+ 8	+ 12	8·1	5
4	+ 26	+ 1	5·7	7	− 10	0	7·0	9	+ 23	− 10	7·5	7	+ 27	− 27	8·2	3
5	− 25	− 30	6·3	2	+ 4	− 10	7·0	8	+ 9	− 32	7·6	10	+ 38	− 16	8·1	5
6	− 7	− 20	5·6	6	− 6	+ 3	7·0	7	− 2	0	7·5	24	− 5	+ 12	8·4	6
7	+ 5	− 12	5·7	13	− 10	− 7	7·0	11	− 12	+ 8	7·6	14	+ 25	+ 3	8·3	4
8	− 11	+ 2	6·1	15	− 8	+ 1	7·0	12	− 3	− 8	7·6	24	− 10	− 5	8·2	14
9	− 15	− 5	6·0	16	− 4	− 10	7·0	7	− 21	− 4	7·5	19	− 10	− 6	8·1	7
10	+ 3	+ 2	5·8	12	0	− 2	7·0	5	+ 8	− 6	7·6	15	+ 32	+ 3	8·2	6
11	− 8	− 5	6·0	6	− 17	− 4	7·0	12	− 5	+ 5	7·6	14	− 10	+ 10	8·2	6
12	+ 3	− 12	5·8	13	− 17	+ 6	7·0	13	− 11	+ 16	7·6	7	− 11	− 1	8·1	8
13	− 15	+ 5	5·9	17	− 32	− 3	7·0	17	− 11	− 11	7·6	19	− 32	+ 22	8·3	4
14	− 29	− 10	5·4	7	− 12	+ 2	7·0	16	− 22	− 10	7·6	20	− 25	0	8·1	4
15	+ 3	− 1	5·4	11	− 15	0	7·0	10	− 27	− 22	7·5	10	+ 40	− 10	8·0	1
16	− 3	+ 2	6·1	9	− 3	− 13	7·0	11	− 23	− 19	7·5	10	− 20	− 32	8·1	4
17	− 20	− 14	5·4	8	− 12	− 30	7·0	4	− 29	− 14	7·4	7	− 50	− 20	8·3	2
18	− 7	− 19	5·8	11	0	+ 10	7·1	3	+ 26	− 23	7·6	7	+ 7	− 13	8·2	3
19	− 3	− 15	5·8	10	− 10	− 40	7·0	1	− 50	− 20	7·5	1	+ 60	− 10	8·0	1
20	+ 1	− 20	5·6	13	...	...	...	...	+ 17	− 27	7·4	3	+ 10	− 20	8·2	1
21	+ 4	− 19	6·1	8	+ 28	− 10	7·0	4	− 7	− 27	7·6	3	+ 7	− 7	8·1	3
22	+ 8	− 17	5·6	12	− 3	− 30	6·9	3	− 33	− 27	7·5	3	...	...	...	...
23	− 14	− 13	5·7	14	− 15	− 25	7·0	13	+ 77	− 0	7·6	3	− 40	− 20	8·0	1
24																
	In Three-Hour Groups.															
0																
3	+ ·0007	− ·007	5·8	40	+ ·0003	− ·012	7·0	21	+ ·0021	− ·026	7·5	9	+ ·0025	− ·0008	8·2	6
6	+ 22	− 8	6·0	21	− 3	− 6	7·0	23	+ 20	− 15	7·5	25	+ 24	− 8	8·1	13
9	− 4	− 7	5·9	34	− 8	− 1	7·0	30	− 5	− 1	7·6	62	− 3	+ 1	8·3	24
12	− 7	− 3	5·9	34	− 10	− 5	7·0	24	− 7	− 2	7·6	48	+ 3	+ 2	8·2	19
15	− 11	− 4	5·8	37	− 21	+ 1	7·0	46	− 16	− 6	7·6	46	− 20	+ 5	8·2	16
18	− 5	− 4	5·6	28	− 9	− 10	7·0	25	− 26	− 19	7·5	27	− 20	− 25	8·1	7
21	− 3	− 18	5·7	34	− 2	− 2	7·1	4	+ 17	− 24	7·5	11	+ 18	− 14	8·2	5
24	− 2	− 16	5·8	34	− 5	− 23	7·0	20	+ 12	− 18	7·6	9	− 5	− 10	8·1	4
	·0000	− ·008	5·8	262	− ·0007	− ·007	7·0	193	+ ·0002	− ·014	7·5	237	+ ·0003	− ·007	8·2	94

$\mu_{80} - \mu_G$.

Mag.	6·5 and Brighter.				6·6 to 7·2.				7·3 o 7·9.				8·o and Fainter.			
α	Δ μ_α	Δ μ_δ	Mag.	No. of Stars.	Δ μ_α	Δ μ_δ	Mag.	No. of Stars.	Δ μ_α	Δ μ_δ	Mag.	No. of Stars.	Δ μ_α	Δ μ_δ	Mag.	No. of Stars.
	s	"			s	"			s	"			s	"		
0	+·0017	+·031	5·8	16	+·0026	+·020	7·1	17	−·0021	+·028	7·6	18	−·0029	+·026	8·2	14
1	− 10	+ 10	5·8	17	+ 9	+ 30	7·0	15	+ 2	+ 35	7·5	13	− 2	+ 30	8·2	14
2	− 39	+ 2	5·9	14	− 21	+ 24	7·0	13	− 4	+ 42	7·5	16	− 31	+ 26	8·3	22
3	− 22	+ 6	6·1	12	− 3	+ 5	7·0	14	− 27	− 2	7·5	23	− 37	+ 25	8·1	21
4	− 33	+ 2	5·7	7	+ 4	+ 8	7·0	11	− 19	+ 8	7·6	24	− 36	+ 18	8·1	15
5	+ 15	+ 40	6 3	2	+ 18	+ 15	7·0	14	− 8	+ 19	7·6	28	− 25	+ 3	8·2	21
6	+ 19	+ 15	5·7	8	+ 27	+ 2	7·0	12	+ 2	− 4	7·5	41	− 7	+ 13	8·2	15
7	+ 28	+ 4	5·8	18	+ 23	+ 3	7·0	20	+ 13	+ 11	7·6	32	− 7	+ 11	8·2	17
8	+ 18	− 1	6·1	17	+ 15	+ 5	7·0	20	+ 5	+ 14	7·6	35	+ 1	+ 12	8·2	18
9	+ 50	+ 10	6·0	17	+ 15	+ 17	7·0	8	+ 17	+ 6	7·5	27	+ 12	+ 33	8·2	16
10	+ 22	+ 11	5·9	16	− 4	+ 17	7·0	11	− 7	+ 21	7·6	22	− 37	+ 4	8 2	21
11	+ 18	+ 6	6·2	10	+ 34	+ 22	7·0	13	+ 4	+ 3	7·6	26	+ 21	+ 16	8·1	17
12	+ 51	+ 24	5·8	13	+ 67	+ 26	7·0	15	+ 30	+ 13	7·6	13	+ 1	+ 27	8·1	9
13	+ 46	+ 16	5·9	18	+ 54	+ 20	7·0	19	+ 22	+ 29	7·6	31	− 5	+ 4	8·1	13
14	+ 58	0	5·8	11	+ 52	+ 10	7·0	18	+ 37	+ 25	7·6	27	+ 30	+ 26	8·2	8
15	+ 31	+ 9	5·4	11	+ 35	+ 21	7·0	13	+ 23	+ 29	7·5	24	+ 12	+ 5	8·3	13
16	+ 29	+ 15	6·1	11	+ 28	+ 33	7·0	11	+ 22	+ 23	7·6	24	+ 14	+ 59	8·1	11
17	+ 49	+ 25	5·6	12	+ 32	+ 7	7·0	6	+ 25	+ 28	7·6	47	− 3	+ 20	8·3	27
18	+ 37	+ 17	5·8	17	+ 18	+ 28	7·1	13	+ 23	+ 48	7·6	31	+ 2	+ 36	8·1	18
19	+ 23	+ 37	6·0	15	+ 27	+ 33	7·0	12	+ 11	+ 36	7·6	15	+ 2	+ 22	8·2	17
20	+ 29	+ 37	5·8	17	+ 14	+ 34	7·0	11	+ 21	+ 32	7·5	15	− 14	+ 30	8·2	22
21	+ 12	+ 36	6·2	16	− 6	+ 33	7·0	17	+ 5	+ 41	7·7	21	− 13	+ 53	8·1	12
22	+ 24	+ 24	5·8	17	+ 22	+ 40	7·0	16	− 5	+ 39	7 5	24	− 15	+ 39	8 1	15
23	+ 31	− 1	5·8	17	+ 28	+ 23	7·0	24	− 49	+ 33	7·6	14	− 22	+ 28	8·3	12
24																

In Three-Hour Groups.

0																
3	−·0009	+·015	5·8	47	+·0005	+·024	7·0	45	−·0009	+·035	7·5	47	−·0022	+·027	8·2	50
6	− 22	+ 8	6·0	21	+ 7	+ 9	7·0	39	− 17	− 9	7·6	75	− 32	+ 15	8·1	57
9	+ 22	+ 4	5·9	43	+ 21	+ 4	7·0	52	+ 6	+ 6	7·6	108	− 4	+ 12	8·2	50
12	+ 32	+ 9	6·0	43	+ 16	+ 19	7·0	32	+ 5	+ 9	7·6	75	− 4	+ 16	8·2	54
15	+ 51	+ 14	5·8	42	+ 57	+ 18	7·0	52	+ 29	+ 25	7 6	71	+ 6	+ 17	8·1	30
18	+ 37	+ 17	5·7	34	+ 32	+ 23	7·0	30	+ 24	+ 27	7·6	95	+ 4	+ 25	8·3	51
21	+ 30	+ 30	5·9	49	+ 20	+ 32	7·0	36	+ 20	+ 41	7·6	61	− 4	+ 30	8·2	57
24	+ 23	+ 19	5·9	50	+ 16	+ 31	7·0	57	− 12	+ 38	7·6	59	− 17	+ 40	8·2	39
	+·0020	+·014	5·9	329	+·0022	+·020	7·0	343	+·0006	+·024	7·6	591	−·0009	+·023	8·2	388

$\mu_G - \mu_Z$.

Mag.	Brighter than 8·0.				8·0 to 8·5.				8·6 to 8·9.				9·0 and Fainter.			
α	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.	$\Delta\mu_\alpha$	$\Delta\mu_\delta$	Mag.	No. of Stars.
0	s +·0007	″ −·029	7·5	10	s +·0010	″ −·043	8·2	23	s +·0045	″ −·015	8·8	4	s +·0028	″ −·043	9·4	9
1	+ 3	− 51	7·6	11	+ 8	− 23	8·3	28, 29	+ 40	− 47	8·8	12	+ 34	− 32	9·2	24
2	− 37	0	7·7	3	+ 10	− 19	8·3	27	+ 29	− 25	8·8	24	+ 29	− 62	9·2	23
3	− 16	− 57	7·6	10	+ 25	− 37	8·2	44	+ 40	− 20	8·8	14	+ 39	− 58	9·2	20
4	− 16	− 53	7·6	9	+ 6	− 57	8·3	36	+ 27	− 53	8·7	24	+ 19	− 29	9·2	12
5	− 7	− 30	7·9	3	+ 4	− 28	8·3	39	+ 60	− 62	8·7	5	+ 28	− 54	9·3	6, 5
6	− 10	− 15	7·6	6	+ 9	− 24	8·3	37	+ 13	− 42	8·8	6	+ 34	− 56	9·2	7
7	+ 42	− 27	7·5	11	+ 8	− 24	8·2	33	− 20	− 10	8·7	5	+ 26	− 26	9·0	5
8	+ 21	− 51	7·6	21	+ 7	− 49	8·3	29	+ 37	− 13	8·8	6	+ 13	− 87	9·1	3
9	− 6	− 31	7·8	8	− 1	− 45	8·2	30, 31	+ 5	− 92	8·7	6	+ 22	− 72	9·0	4
10	+ 13	− 23	7·2	3	− 8	− 36	8·2	16	− 55	+ 5	8·7	2	− 103	− 20	9·3	3
11	− 4	− 37	7·6	10	+ 4	− 48	8·2	26	+ 3	− 18	8·7	6	...	...	...	...
12	− 13	+ 10	7·8	9	+ 22	− 10	8·2	17, 16	− 10	+ 21	8·7	7	+ 6	− 38	9·1	5
13	+ 7	− 20	7·5	9	+ 8	− 9	8·2	25, 24	− 10	− 20	8·7	2	− 18	− 62	9·0	4
14	− 12	+ 4	7·7	9	− 3	− 22	8·3	38	− 37	− 23	8·7	6	− 82	− 15	9·1	4
15	− 19	− 43	7·6	9	− 4	− 44	8·2	37	+ 2	− 31	8·8	13, 14	+ 52	− 18	9·2	6
16	+ 11	− 6	7·6	11	+ 3	+ 23	8·2	34	+ 7	+ 12	8·7	8	+ 9	+ 15	9·2	8
17	− 16	+ 48	7·6	10	+ 13	+ 2	8·3	26, 27	+ 1	− 4	8·7	9	+ 34	− 16	9·2	5
18	+ 92	− 34	7·6	5	+ 14	+ 17	8·2	30	+ 40	− 32	8·8	12	+ 33	− 19	9·0	8
19	+ 48	− 36	7·7	10	+ 35	0	8·2	34	+ 54	+ 42	8 7	10	+ 55	+ 18	9·2	15
20	− 10	− 8	7·6	5	+ 19	− 22	8·3	38	− 13	− 34	8·8	9	+ 15	− 2	9·2	16
21	0	− 37	7·4	6	− 2	− 16	8·3	50	+ 17	+ 24	8·8	11	+ 11	− 5	9·1	15
22	+ 7	− 39	7·6	10	+ 15	− 14	8·2	24	+ 5	− 5	8·7	11	+ 4	+ 23	9·2	12
23	+ 10	− 55	7·6	4	+ 1	− 53	8·2	26	+ 24	− 39	8·7	9	+ 18	− 16	9·2	18
24																
	In Three-Hour Groups.															
0	·0000	−·035	7·6	24	+·0009	−·027	8·3	78, 79	+·0034	−·031	8·8	40	+·0031	−·046	9·2	56
3	− 14	− 52	7·7	22	+ 12	− 40	8·3	119	+ 35	− 43	8·8	43	+ 31	− 48	9·2	38, 37
6	+ 22	− 39	7·6	38	+ 8	− 31	8·3	99	+ 12	− 22	8·8	17	+ 27	− 52	9·1	15
9	− 2	− 33	7·6	21	− 1	− 44	8·2	72, 73	− 4	− 46	8·7	14	− 32	− 50	9·1	7
12	− 6	− 2	7·7	27	+ 6	− 31	8·2	80, 78	− 21	− 2	8·7	15	− 29	− 38	9·1	13
15	− 7	+ 1	7·6	30	+ 3	− 8	8·2	97, 98	+ 3	− 12	8·7	30, 31	+ 29	− 4	9·2	19
18	+ 44	− 28	7·6	20	+ 23	− 3	8·2	102	+ 29	− 9	8·8	31	+ 34	+ 2	9·2	39
21	+ 5	− 42	7·5	20	+ 3	− 25	8·2	100	+ 15	− 5	8·7	31	+ 12	− 2	9·2	45
24																
	+·0005	−·029	7·6	202	+·0008	−·026	8·2	747, 748	+·0013	−·021	8·8	221, 222	+·0013	−·030	9·2	232, 231

Mean Corrections to the Proper Motions derived from the different Catalogues.

$\Delta \mu_\alpha$

Mean Δ Ep. from C_{00}.	—	Brighter than 6·5.	Mag. 6·6 to 7·2 or, when two Groups, Fainter than 6·5.	Mag. 7·3 to 7·9.	Mag. 8·0 and Fainter.	Periodic Correction.
y.		s	s	s	s	s
− 60	$\mu_0 - \mu_t$	+ 0·0001 (262)	+ 0·0006 (193)	+ 0·0004 (237)	+ 0·0007 (94)	+0·0003 cos α ±0·0000 sin α
− 60	$\mu_0 - \mu_{40}$	+ 1 (171)	− 1 (81)	..	..	+ 4 + 5
− 46	$\mu_0 - \mu_{50}$	− 8 (229)	− 12 (183)	..	..	+ 4 + 1
− 38	$\mu_0 - \mu_{60}$	− 7 (169)	..	..	..	+ 9 + 7
− 31	$\mu_0 - \mu_{65}$	− 1 (159)	..	..	..	− 4 + 1
− 30	$\mu_0 - \mu_M$	− 1 (49)	..	..	..	0 − 1
− 20	$\mu_0 - \mu_G$	+ 19 (262)	+ 16 (193)	+ 6 (237)	− 5 (94)	− 6 − 11
− 20	$\mu_0 - \mu_{Ms}$	+ 6 (121)	− 3 (45)	− 7 58)	− 1 (171)	− 6 + 3
− 21	$\mu_0 - \mu_{80}$	0 (262)	− 7 (193)	+ 2 (237)	+ 3 (94)	+ 15 + 8
− 19	$\mu_0 - \mu_m$	+ 5 (53)	+ 2 (50)	..	..	+ 13 − 2

$\Delta \mu_\delta$

y.		"	"	"	"	"
− 60	$\mu_0 - \mu_t$	+ 0·003 (262)	+ 0·002 (193)	+ 0·004 (237)	+ 0·001 (94)	+0·003 cos α ± 0·000 sin α
− 60	$\mu_0 - \mu_{40}$	+ 2 (137)	+ 3 (63)	..	..	− 1 + 2
− 46	$\mu_0 - \mu_{50}$	− 3 (242)	− 3 (188)	..	..	− 1 0
− 38	$\mu_0 - \mu_{60}$	+ 1 (182)	..	..	..	− 9 5
− 31	$\mu_0 - \mu_{65}$	+ 5 (172)	..	..	..	+ 5 − 6
− 30	$\mu_0 - \mu_M$	− 3 (49)	..	..	..	+ 11 + 9
− 20	$\mu_0 - \mu_G$	+ 5 (262)	+ 13 (193)	+ 11 (237)	+ 16 (94)	+ 1 − 8
− 20	$\mu_0 - \mu_{Ms}$	+ 14 (126)	+ 10 (43)	+ 9 (60)	+ 1 (166)	− 4 − 11
− 21	$\mu_0 - \mu_{80}$	− 8 (262)	− 7 (193)	− 14 (237)	− 7 (94)	− 7 + 4
− 19	$\mu_0 - \mu_m$	− 19 (53)	− 5 (50)	..	..	+ 16 + 7

In the above tables the subjoined numbers in brackets denote the number of stars on which each result depends, except for the Cape Catalogues for 1860 and 1865, in which the number of stars is small and the inequality of number of observations very great.

For these latter Catalogues the number of observations is given, and the values of $\mu_o - \mu_{60}$ and $\mu_o - \mu_{65}$ have been derived for each 3-hour group by giving weights in proportion to the number of observations instead of in proportion to the number of stars, as in the other groups. In forming the means for the above table equal weight has been given to each 3-hour group.

The corrections in this table depend only on the stars—786 in number—which occur in all the most important Catalogues, viz., t, G, 80, and C_o.

For a more complete comparison of 80 and G, 1,651 stars are available. These give:—

—	Brighter than Mag. 6·5. Mean (5·9).	Mag. 6·6 to 7·2. Mean (7·0).	Mag. 7·3 to 7·9. Mean (7·6).	Mag. 8·0 and Fainter. Mean (8·2).	Periodic Corrections.
$\mu_{80} - \mu_G$ $\Delta\mu_\alpha$ -	$+ 0^s\cdot0020$	$+ 0^s\cdot0022$	$+ 0^s\cdot0006$	$- 0^s\cdot0009$	$- 0^s\cdot0017 \cos\alpha - 0^s\cdot0016 \sin\alpha.$
$\mu_{80} - \mu_G$ $\Delta\mu_\delta$ -	$+ 0''\cdot014$ (329)	$+ 0''\cdot020$ (343)	$+ 0''\cdot024$ (591)	$+ 0''\cdot023$ (388)	$+ 0''\cdot007 \cos\alpha - 0''\cdot010 \sin\alpha.$

These results are practically identical with those derived from the 786 stars through the preceding comparisons $(\mu_o - \mu_G) - (\mu_o - \mu_{80})$, viz.:—

—	Brighter than Mag. 6·5. Mean (5·8).	Mag. 6·6 to 7·2. Mean (7·0).	Mag. 7·3 to 7·9. Mean (7·5).	Mag. 8·0 and Fainter. Mean (8·2).	Periodic Corrections.
$\mu_{80} - \mu_G$ $\Delta\mu_\alpha$ -	$+ 0^s\cdot0019$	$+ 0^s\cdot0023$	$+ 0^s\cdot0004$	$- 0^s\cdot0008$	$- 0^s\cdot0021 \cos\alpha - 0^s\cdot0019 \sin\alpha.$
$\mu_{80} - \mu_G$ $\Delta\mu_\delta$ -	$+ 0''\cdot013$ (262)	$+ 0''\cdot018$ (193)	$+ 0''\cdot025$ (237)	$+ 0''\cdot023$ (94)	$+ 0''\cdot008 \cos\alpha - 0''\cdot012 \sin\alpha.$

As already mentioned, the Cordoba Zone Catalogue places have not been employed in determining the proper motion of any star which is contained both in 80 and G, so that practically we have to deal only with the corrections to Z for stars fainter than 7·0, as 80 contains all stars to that magnitude.

The following is the result of a direct comparison between the proper motions given by G and Z, based on the 1,402 stars of which places from Z have been employed in deriving the proper motions:—

—	Brighter than 8·0. Mean Mag. 7·6.	8·0 to 8·5. Mean Mag. 8·2.	8·6 to 8·9. Mean Mag. 8·7.	9·0 and Fainter. Mean Mag. 9·2.	Periodic Corrections.
$\mu_G - \mu_Z$ $\Delta\mu_\alpha$ -	$+ 0^s\cdot0005$	$+ 0^s\cdot0008$	$+ 0^s\cdot0013$	$+ 0^s\cdot0013$	$+ 0^s\cdot0014 \cos\alpha + 0^s\cdot0001 \sin\alpha.$
$\mu_G - \mu_Z$ $\Delta\mu_\delta$ -	$- 0''\cdot029$ (202)	$- 0''\cdot026$ (747)	$- 0''\cdot021$ (221)	$- 0''\cdot030$ (232)	$- 0''\cdot003 \cos\alpha - 0''\cdot023 \sin\alpha.$

Thus from $(\mu_G - \mu_Z) + (\mu_o - \mu_G)$ we get the following values of $(\mu_o - \mu_Z)$:—

—	Mean Mag. 7·6.	Mean Mag. 8·2.	Mean Mag. 8·7.	Mean Mag. 9·2.	Periodic Corrections.
$\mu_o - \mu_Z$ $\Delta\mu_\alpha$ -	$+ 0^s\cdot0011$	$+ 0^s\cdot0003$	$(\pm 0^s\cdot0000)$	$(\pm 0^s\cdot0000)$	$+ 0^s\cdot0008 \cos\alpha - 0^s\cdot0010 \sin\alpha.$
$\Delta\mu_\delta$ -	$- 0''\cdot018$	$- 0''\cdot010$	$(- 0''\cdot013)$	$(- 0''\cdot013)$	$- 0''\cdot002 \cos\alpha - 0''\cdot031 \sin\alpha.$

The figures in brackets are assumed as the most probable.

The published proper motions are only given to $0^s\cdot001$ and $0''\cdot01$—an accuracy sufficient for the immediate purposes of the Catalogue—and in general the systematic corrections, derived as above described, are smaller than the last significant figure of the published results; the most important exceptions are those applicable to the Right Ascensions of the brighter stars in G, and the periodic corrections applicable to the Declinations of Z.

It is only necessary to multiply by Δ Ep., as given in the preceding table, when we obtain the following further corrections, which are applicable to the Right Ascensions and Declinations of the various Catalogues, in addition to those already applied :—

Additional Corrections applicable to the Catalogues.

$\Delta\alpha$

Catalogue.	Mag. 6·5 and Brighter.	6·6 to 7·2.	7·3 to 7·9.	Mag. 8·0 and Fainter. Mean 8·2.	Periodic Correction.	
t	$-0^s\cdot006$	$-0^s\cdot036$	$-0^s\cdot024$	$-0^s\cdot042$	$-0^s\cdot018 \cos\alpha$	$\pm 0^s\cdot000 \sin\alpha$
40	− ·006	+ ·006	..	..	− ·024	− ·030
50	+ ·037	+ ·055	..	..	− ·018	− ·005
60	+ ·027	..	..	..	− ·034	− ·027
65	+ ·003	..	..	..	+ ·012	+ ·003
M	+ ·003	..	..	..	± ·000	+ ·003
G	− ·038	− ·032	− ·012	+ ·010	+ ·012	+ ·022
Ms	− ·012	+ ·006	+ ·014	+ ·002	+ ·012	− ·006
80	± ·000	+ ·015	− ·004	− ·006	− ·031	− ·017
m	− ·010	− ·004	..	..	− ·025	+ ·004
Z	..	..	− ·022	− ·006	− ·016	+ ·020

$\Delta\delta$

Catalogue.	Mag. 6·5 and Brighter.	6·6 to 7·2.	7·3 to 7·9.	Mag. 8·0 and Fainter. Mean 8·2.	Periodic Correction.	
t	−0″·18	−0″·12	−0″·24	−0″·06	−0″·18 cos α	±0″·00 sin α
40	− ·12	− ·18	..	..	+ ·06	− ·12
50	+ ·14	+ ·14	..	..	+ ·05	± ·00
60	− ·04	..	..	..	+ ·34	+ ·19
65	− ·15	..	..	..	− ·15	+ ·19
M	+ ·09	..	..	..	− ·33	− ·27
G	− ·10	− ·26	− ·22	− ·32	− ·02	+ ·16
Ms	− ·28	− ·20	− ·18	− ·02	+ ·08	+ ·22
80	+ ·17	+ ·15	+ ·29	+ ·15	+ ·15	− ·08
m	+ ·36	+ ·10	..	..	− ·30	− ·13
Z	..	..	+ ·36	+ ·20	+ ·04	+ ·62

If it is required to make any delicate cosmical inquiry depending on the proper motions or to explain the discrepancy between the corrections C_o — G found, on the one hand, through the 62 stars common to G and N and the 22 stars common to N and C_o, and, on the other hand, from the comparison of the proper motions derived through the different Catalogues as just described, it becomes necessary to treat the Cordoba General Catalogue as non-homogeneous, a fact which was overlooked until the present Catalogue had been printed. There is some defect in the Cordoba Transit Circle, either in the method of determining its collimation, or in the figure of its pivots, or its lateral flexure; but, whatever be the cause, the result is a considerable systematic difference in the Right Ascension of a star, according as it is observed in the E. or W. position of the instrument.

Auwers, in his "*Tafeln zur Reduction von Südlichen Sterncatalogen*" (*Ast. Nach.*, 3413), finds it necessary to divide his systematic corrections for G into E. and W. in R.A. and into E′., E″., W′., and W″. in Declination.

Auwers' corrections for the zones with which we are concerned are:—

δ	$\Delta\alpha$		$\Delta\delta$			
	E.	W.	E′.	E″.	W′.	W″.
−40°	−0ˢ·011	−0ˢ·061	+0″·26	−0″·20	−0″·34	+0″·06
−45	− ·018	− ·074	+ ·21	− ·24	− ·29	+ ·05
−50	− ·034	− ·094	+ ·08	− ·36	− ·26	+ ·01
−55	+ ·019	− ·045	− ·05	− ·47	− ·21	− ·02

In order to examine the matter more fully, all the stars of our list common to G and 80 were divided into classes according to Magnitude, Declination, and Position of the instrument, and reduced to the common Epoch and Equinox 1875·0, employing for that purpose the proper motions already found. Tables were then formed giving the values of $\Delta\alpha$ and $\Delta\delta$ for 80 −G. These values were then grouped so as to show the mean result in each zone for four classes of magnitude and each hour of R.A.

The periodic error in R.A. was assumed to be the same for all zones and classes of magnitude, and was found in the mean from all the classes to be—

$$+ 0^{s}\cdot026 \cos\alpha - 0^{s}\cdot009 \sin\alpha$$

This permitted a small necessary correction to be applied to the separate means where the observations were wanting in certain hours of R.A.

In these comparisons a star observed at Cordoba both E. and W. was treated as two different stars.

The mean results were then as follows:—

80 — G.

Zone.	Mag.				Δ α E′.				Mag.				Δ α W′.			
	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
− 40° to 44°	6·0	7·0	7·5	8·1	−0ˢ·036 (35)	−0ˢ·032 (59)	+0ˢ·007 (96)	+0ˢ·004 (97)	6·1	7·0	7·5	8·1	−0ˢ·115 (87)	−0ˢ·100 (94)	−0ˢ·063 (78)	−0ˢ·054 (61)
− 44 to 48	5·5	7·0	7·6	8·2	−0ˢ·058 (36)	−0ˢ·054 (28)	−0ˢ·035 (142)	−0ˢ·008 (99)	5·5	7·0	7·5	8·2	−0ˢ·171 (84)	−0ˢ·140 (70)	−0ˢ·112 (148)	−0ˢ·083 (65)
− 48 to 52	5·6	7·0	7·6	8·2	−0ˢ·068 (36)	−0ˢ·052 (59)	−0ˢ·019 (128)	−0ˢ·019 (79)	5·9	7·0	7·6	8·1	−0ˢ·162 (86)	−0ˢ·142 (90)	−0ˢ·113 (93)	−0ˢ·085 (43)

Col. (1) refers to stars of mag. 6·5 and brighter.
„ (2) „ „ „ 6·6 to 7·2.
Col. (3) refers to stars of mag. 7·3 to 7·9.
„ (4) „ „ „ 8·0 and fainter.

Zone.		Δδ								—	
		0ʰ to 3ʰ	3ʰ to 6ʰ	6ʰ to 9ʰ	9ʰ to 12ʰ	12ʰ to 15ʰ	15ʰ to 18ʰ	18ʰ to 21ʰ	21ʰ to 0	Mean.	Total No. of Stars.
− 40° to 44°	E.	−0″·18	+0″·47	+0″·62	+0″·14	−0″·13	+0″·08	−0″·27	−0″·25	+0″·06	264
	W.	−0·47	−0·04	+0·04	+0·06	0·00	−0·49	−0·72	−0·52	−0·27	318
− 44 to 48	E.	−0·48	+0·14	+0·35	−0·37	−0·31	−0·20	−0·56	−0·63	−0·26	259
	W.	−0·72	−0·28	+0·19	+0·24	−0·44	−0·79	−1·10	−0·93	−0·48	365
− 48 to 52	E.	−0·68	−0·31	−0·23	−0·45	−0·72	−0·47	−0·92	−0·91	−0·59	272
	W.	−0·84	−0·50	−0·12	−0·35	−0·51	−0·90	−0·72	−1·02	−0·62	311

This comparison shows very clearly the large systematic difference between the Right Ascensions determined with the Cordoba Transit Circle in the two positions of the instrument, viz.:—

E. — W. *for* 8o — G.

---	−40° to 44°	−44° to 48°	−48° to 52°	Mean.
Mag. 6·5 and brighter - -	s +0·079	s +0·113	s +0·094	s +0·095
„ 6·6 to 7·2 - -	+ ·068	+ ·086	+ ·090	+ ·081
„ 7·3 to 7·9 - -	+ ·070	+ ·077	+ ·094	+ ·080
„ 8·0 and fainter - -	+ ·058	+ ·075	+ ·066	+ ·066
Mean - -	s +0·069	s +0·088	s +0·086	s +0·081

If these variations in the value of E. — W. derived from stars of different magnitude are real, they can be explained by a difference in the magnitude-equation of the average Observers employed in the positions E. and W.

In order to derive the magnitude-equation in R.A. of G relative to 8o, let it in the first place be assumed that this correction is proportional to the magnitude. If we do so, and derive the magnitude equation from groups (1) and (4) only, we have:—

Zone.	E. 8o − G (4) − (1).	E. Diff. of Mag.	E. Correction for Diff. of 1 Mag.	W. 8o − G (4) − (1).	W. Diff. of Mag.	W. Correction for Diff. of 1 Mag.
−40° to −44°	s +0·040	2·1	s +0·019	s +0·061	2·0	s +0·030
−44 to −48	+ ·050	2·7	+ ·019	+ ·088	2·7	+ ·033
−48 to −52	+ ·049	2·6	+ ·019	+ ·077	2·2	+ 035

It would appear from these results that the magnitude-correction, 8o — G, is systematically different according as the Cordoba Transit Circle is in the E. or W. position, but is practically constant in one position for the three zones.

This seems at first sight improbable; but, as the instrument was not reversed at regular short intervals, and the Observers changed from time to time, it is quite possible, for the great majority of the stars in question, that one Observer made a great part, or the whole, of his observations in one position of the instrument, and another Observer, who had a different magnitude equation, and perhaps also a different personality, depending on Declination, made most of his observations in the other position.

Giving equal weights to each zone, we get for determination of the magnitude-equation he following means:—

80 — G.

	E.				W.			
Mean. Mag.	(1)	(2)	(3)	(4)	(1)	(2)	(3)	(4)
	5·7.	7·0.	7·6.	8·2.	5·8.	7·0.	7·5.	8·1.
$\Delta\alpha$ - -	s −0·054	s −0·046	s −0·016	s −0·008	s −0·149	s −0·127	s −0·096	s −0·074

There appears, therefore, to be full justification for deriving the correction in R.A. for magnitude independently for E. and W., and accordingly smooth continuous curves were drawn through the plotted values of $\Delta\alpha_{80-G}$ as shown in the accompanying figure.

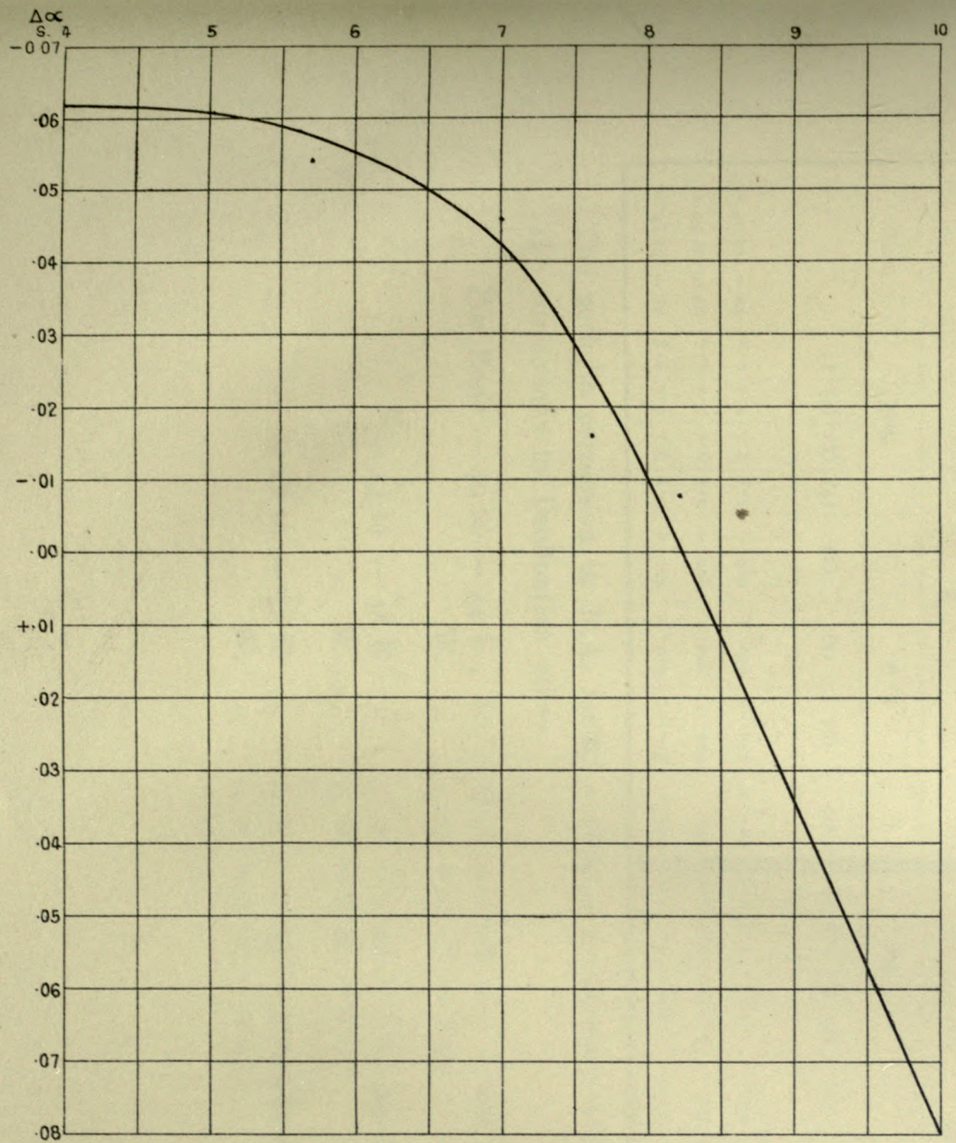
In the formation of these curves the independently ascertained fact had to be kept in view, viz., that the R.A. of stars of the 4th mag. and brighter in G does not vary with respect to 80 on account of magnitude. This fact practically determined the form of the upper part of the curve, and consequently the value of $\Delta\alpha_{80-G}$ for stars of the 4th magnitude.

The resulting corrections are:—

$\Delta\alpha_E$ $\Delta\alpha_W$ or where $\Delta\alpha_E = -0^s\cdot062 + M_E$; $\Delta\alpha_W = -0^s\cdot166 + M_W$

			For Mag. 0 to 4, M_E =	M_W =
Mag. 4·0	−0s·062	−0s·166		
4·5	−·062	−·165	4·5 ·000	+ ·001
5·0	−·061	−·164	5·0 + ·001	+ ·002
5·5	−·059	−·160	5·5 + ·003	+ ·006
6·0	−·055	−·153	6·0 + ·007	+ ·013
6·5	−·050	−·140	6·5 + ·012	+ ·026
7·0	−·042	−·122	7·0 + ·020	+ ·044
7·5	−·028	−·100	7·5 + ·034	+ ·066
8·0	−·010	−·075	8·0 + ·052	+ ·091
8·5	+·012	−·048	8·5 + ·074	+ ·118
9·0	+·035	−·020	9·0 + ·097	+ ·146
9·5	+·057	+·009	9·5 + ·119	+ ·175
10·0	+·080	+·039	10·0 + ·142	+ ·205

E.


Δα
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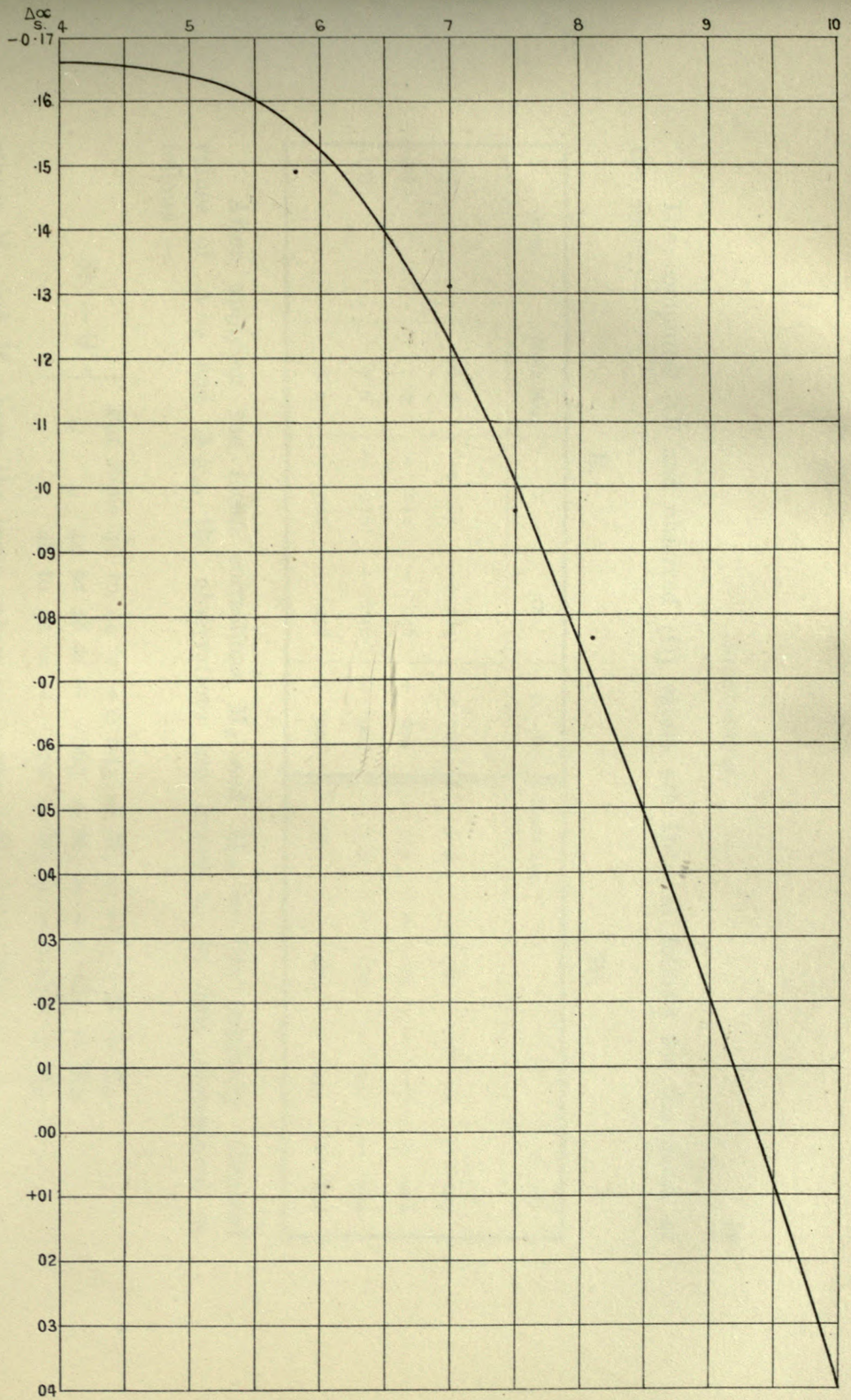
W.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The computed (C) and observed (O) values are then as follows for the mean of the zones :—

Group.	E. Mean Mag.	E. C.	E. O.	E. C − O.	W. Mean Mag.	W. C.	W. O.	W. C − O.
(1) - -	5·7	−0ˢ·057	−0ˢ·054	−0ˢ·003	5·8	−0ˢ·156	−0ˢ·149	−0ˢ·007
(2) - -	7·0	− ·042	− ·046	+ ·004	7·0	− ·122	− ·127	+ ·005
(3) - -	7·6	− ·025	− ·016	− ·009	7·5	− ·100	− ·096	− ·004
(4) - -	8·2	− ·002	− ·008	+ ·006	8·1	− ·070	− ·074	+ ·004

After applying the mean corrections M_E and M_W to the originally observed values of $\Delta\alpha_E$ and $\Delta\alpha_W$, the observations are found to be best represented as follows :—

$$80 - G \begin{cases} \text{For Zone } 40^\circ \text{ to } 44^\circ = -0^s\cdot043 + M_E = -0^s\cdot138 + M_W \\ \text{,, ,, } 44 \text{ to } 48 = - \cdot069 + M_E = -0^s\cdot181 + M_W \\ \text{,, ,, } 48 \text{ to } 52 = - \cdot070 + M_E = -0^s\cdot181 + M_W \end{cases}$$

where M_E and M_W have the same values as in the table on p. liv.

The observations of the different groups are then represented as follows:—

C − O.

Zone.	E. Mag. (1)	(2)	(3)	(4)	E. $\Delta\alpha_E$. (1)	(2)	(3)	(4)	W. Mag. (1)	(2)	(3)	(4)	W. $\Delta\alpha_W$. (1)	(2)	(3)	(4)
− 40° to − 44°	6·0	7·0	7·5	8·1	ˢ ·000	ˢ +·009	ˢ −·016	ˢ +·009	6·1	7·0	7·5	8·1	ˢ −·008	ˢ +·006	ˢ −·009	ˢ +·012
− 44 to − 48	5·5	7·0	7·6	8·2	−·008	+·005	+·004	·000	5·5	7·0	7·5	8·2	−·004	+·003	−·003	+·004
− 48 to − 52	5·6	7·0	7·6	8·2	+·002	+·002	−·013	+·010	5·9	7·0	7·6	8·1	−·007	+·005	+·003	·000

The periodic correction in R.A. for $80 - G = -0^s\cdot026 \cos\alpha + 0^s\cdot009 \sin\alpha$.

The corrections in Declination are—

For Zone -40° to -44° E.; $80 - G = +0''\cdot06 - 0''\cdot17 \cos\alpha + 0''\cdot24 \sin\alpha$.
W. ,, ,, $= -0\cdot27 - 0\cdot27 + 0\cdot31$.

-44° to -48° E. ,, ,, $= -0''\cdot26 - 0''\cdot17 \cos\alpha + 0''\cdot24 \sin\alpha$.
W. ,, ,, $= -0\cdot48 - 0\cdot27 + 0\cdot31$.

-48° to -52° E. ,, ,, $= -0''\cdot59 - 0''\cdot17 \cos\alpha + 0''\cdot24 \sin\alpha$.
W. ,, ,, $= -0\cdot62 - 0\cdot27 + 0\cdot31$.

These corrections for 80 — G are applicable to the Catalogues as published. It will be seen from this discussion that two entirely different systematic corrections are required to stars observed in the two positions of the instrument, the difference between E. and W. amounting to more than $\frac{1}{10}$th of a second of time. This fact admits of no doubt.

Another extraordinary fact is the large *positive* magnitude-correction in R.A. of G compared with that of 80.

These equations compare as follows :—

Mag.	Cape, $M_{C_{00}}$	Cordoba (80 − G) East.	Cordoba (80 − G) West.
	s	s	s
4	0·000	0·000	0·000
5	− ·010	+ ·001	+ ·002
6	− ·020	+ ·007	+ ·013
7	− ·030	+ ·020	+ ·044
8	− ·040	+ ·052	+ ·091
9	− ·055	+ ·097	+ ·146
10	− ·075	+ ·142	+ ·205

If the Cape determinations of the magnitude-corrections are exact the absolute magnitude-corrections to G become :—

—	M_G (East).	M_G (West).
	s	s
Mag. 4	0·000	0·000
5	− ·009	− ·008
6	− ·013	− ·007
7	− ·010	+ ·014
8	+ ·012	+ ·051
9	+ ·042	+ ·091
10	+ ·067	+ ·130

It is true that there may exist some uncertainty in the magnitude-equation applicable to the "eye and ear" Observers at the Cape in the years 1876 and 1877, when the stars between − 40° and − 52° Dec. were observed. We have only a direct determination of the magnitude-equation of two out of the four Observers employed on that work, and it is quite possible that even their habit of observing may have changed in the course of years. But

the fact remains that for the mean of any four or five Cape observers we have found that the mean magnitude-equation remains the same as that quoted, both for "eye and ear" as well as for chronograph observing; and, so far as I know, the Cordoba Catalogue G is the only one in existence in which the Right Ascensions of faint stars are too small in comparison with those of bright stars in the same Catalogue.

This abnormal magnitude personality is not apparently due to a want of proper centering of the object glass or to other instrumental defect, because in Gould's Zones, which were observed by Dr. Gould himself, the magnitude-equation is perfectly normal, and so far as the present imperfect discussion can decide, is practically identical with that of t, 8o, and C_{oo}.

A possible explanation might be the following:—

If the Cordoba Transit Circle is provided with means of illuminating the wires in a dark field for the observation of faint stars, and if dark wires in a bright field were used in the observation of bright stars, then one could readily understand a sudden change of personality in R.A. between the two kinds of observation. On the other hand, as Gould was chiefly desirous in his Zones of recording observations of the fainter stars, he would, in all probability have employed bright wires in a dark field for stars of all magnitudes.

No detailed description of the method of illumination is given by Gould, but an inquiry on the subject has been addressed to Dr. Thome.

Meanwhile the fact remains that, if proper motions of the stars of the present Catalogue are required for the purposes of cosmical research (in which case they must be systematically accurate for the mean of groups of stars when classed according to their magnitude and position in the sky), then the whole of the proper motions will have to be re-discussed, having regard to the position, E. or W., in which the star was observed at Cordoba, both for G and Z, because on these Catalogues the proper motions of the fainter stars chiefly depend.

But for the immediate purposes of the present Catalogue the printed proper motions are sufficiently accurate, seeing that they are only required to correct the places of the Astrographic Standard Stars for a very short difference of epoch, viz., that intervening between the epoch of meridian observation of the Standard Stars and the epoch at which the "Catalogue plate" was taken. Moreover, we have two series of Catalogue plates, one of which was, as a rule, taken before and the other after the epoch of the meridian observations.

I have therefore thought it undesirable to delay the publication of this Catalogue until after revision of the proper motions, and prefer to make that revision the subject of a separate publication, including a further discussion of some points of cosmical interest, to one of which I have already called attention at p. xxxi, viz., that *the proper motions of the fainter stars in Zone* $-40°$ *to* $52°$ *are not in the mean equal to zero when compared with the system of Newcomb, or with that of any other Southern Fundamental Catalogue, and this discordance becomes greater and greater for fainter and fainter stars.*

APPENDIX II.

Mean Declinations of Clock and Azimuth Stars.

At pp. 393–397 will be found a Catalogue of the observed Mean Declinations of 197 stars whose Tabular Right Ascensions have been employed for the determination of Clock-error and Azimuth. The Right Ascensions of the Clock Stars have been taken from Newcomb's Fundamental Catalogue, and those of the Circumpolars from the Mean Right Ascensions of 24 Circumpolar Stars (Cape Catalogue for 1890, pp. 258–263).

There are therefore no determinations of the Right Ascensions of these stars.

The Declinations given in this small Catalogue are computed from the observed Zenith Distances, corrected for error of Mean Latitude, change of Latitude, error of the Refraction Tables, Flexure, &c., and should correspond systematically with the Declinations of the Cape General Catalogue for 1890.

APPENDIX III.

Catalogue of 134 Miscellaneous Stars (pp. 401–403).

These stars have been observed for various special purposes, chiefly in connection with the revision of the Cape Photographic Durchmusterung.

The Right Ascensions have been corrected for the magnitude-error of each observer, and reduced to the system of Newcomb's Catalogue.

The Declinations depend solely upon the observed Zenith Distances reduced on the same system as that of the Declinations of Clock and Azimuth Stars in Appendix II.

The magnitudes given in column 2, when not otherwise marked, depend on the authority of Harvard publications;

When marked * from G, Z, or Cordoba D.M.
" " † from B.D.
" " ‡ the authority for magnitude is given in a footnote.

OBSERVERS, &c.

The observations, the results of which are contained in this volume, were made by—

Mr.	R. T. Pett,	denoted	in the	Annual Results	by P.
,,	W. H. Cox	,,	,,	,,	,, C.
,,	J. Power	,,	,,	,,	,, J.P.
,,	J. A. J. Pead	,,	,,	,,	,, A.P.
,,	R. Woodgate	,,	,,	,,	,, W.
,,	A. Cochrane	,,	,,	,,	,, A.C.

Their respective shares in the work can be readily gathered from the Table of Day-Corrections given at pp. ix to xxxi.

I desire here to record my sense of the interest and zeal displayed by these gentlemen in the work of observation, and of the care taken by them to attain results as accurate as possible.

The reductions of the Right Ascensions have been made under charge of Mr. Pett, those of the Declinations under Mr. Cox.

To Mr. Power I am especially indebted for his large personal share in the construction of the Catalogue, and for the zealous and unsparing work which he has devoted to the supervision and examination of the large amount of arithmetical detail connected with the Catalogue Comparisons and the Proper Motions.

DAVID GILL.

1906, March 21.

ERRATA.

Page	No.	For	Read
16	571	..	5 obs.
16	572	..	5 „
146	5764	47·06, −0·03, −·010	47·31, 0·00, +·001
170	6727	..	Mag. 8·6
217	..	Lones	Zones
220	2027	1027	2027
223	6619	60·90	60·00
228	774	− 4·0	+ 4·0
232	6634	+ 0·34	+ 0·17
247	8023	dele 21·40	
247	8032	insert 21·40, to δ	
259	5764	− 0·27	− 0·02
328	3075	− ·01	+ ·01
352	5327	Mean	insert − ·09
352	5330	„	„ − ·09
353	5370	„	„ − ·005
358	5764	− ·010	+ ·001
368	6634	+ ·007	+ ·002
395	112	− 0·040	+ 0·040
395	117	30·60	29·90
395	122	− 2 18 51·88	+ 2 18 50·94
395	122	51·98	50·84
396	140	− 0·091	+ 0·091
401	28	..	G. S. c. t.

Nos. 5764, 122, and 28 are due to Cape errors, No. 6634 to an error in Cape 1860; the remainder were correct or properly corrected in proof, so may not be errata in all copies.

UNIV. OF
CALIFORNIA

STANDARD STARS

FOR

ASTROGRAPHIC PLATES.

$\delta = -40^\circ$ to -52°.

ROYAL
ASTRONOMICAL

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1	9·1	0 0 8·36	...	+3·0715	−0·029	...	−46 20 32·0	...	+20·047	−0·01	...	3:4	8·73	46.10623
2	7·5*	0 22·35	−0·01	3·0703	·026	−0·002	43 26 39·5	−0·1	20·047	·01	−0·03	5	7·38	43. 9813
3	7·4	0 30·99	0·00	3·0685	·036	−0·002	51 49 0·6	0·0	20·047	·01	−0·01	3	9·78	51.12075
4	7·5*	0 45·96	+0·02	3·0682	·025	+0·006	42 18 27·8	−0·3	20 047	·01	−0·09	5	6·85	42. 9662
5	6·0*	1 8·33	+0·01	3·0645	·033	+0·052	49 37 51·7	0·0	20·047	·01	−0·05	3	9·74	49.11858
6	9·3	0 1 30·83	0·00	+3·0624	−0·031	−0·003	−48 8 29·9	0·0	+20·046	−0·01	−0·04	3	9·83	48. 2
7	9·8	1 32·59	...	3·0611	·035	...	51 3 23·8	...	20·046	·01	...	3	9·80	51. 3
8	8·5*	1 44·40	+0·01	3·0634	·024	+0·002	41 28 13·2	0·0	20·046	·01	0·00	5	6·82	41. 2
9	9·5	1 48·16	−0·01	3·0630	·024	−0·003	41 32 51·1	+0·1	20·046	·01	+0·04	5	7·23	41. 3
10	7·8	1 51·03	0·00	3·0617	·027	0·000	44 32 33·3	0·0	20·046	·01	−0·01	3:4	8·65:8·66	44· 3
11	8·5	0 2 10·99	−0·03	+3·0606	−0·025	−0·013	−42 26 48·6	0·0	+20·046	−0·01	0·00	5	7·42	42. 3
12	8·5	2 18·86	+0·04	3·0605	·024	+0·016	41 2 11·8	0·0	20·046	·01	0·00	4:5	7·80:7·81	41. 5
13	9·0	2 19·41	−0·01	3·0596	·026	−0·003	43 7 0·7	0·0	20·046	·01	+0·02	5	7·82	43. 2
14	9·0	2 22·97	...	3·0583	·028	...	45 12 3·0	...	20·046	·01	...	3	8·75	45. 3
15	8·5	2 38·13	0·00	3·0554	·030	+0·001	47 6 3·7	0·0	20·045	·01	−0·04	3	8·78	47. 4
16	8·5	0 2 51·72	0·00	+3·0510	−0·035	−0·003	−51 48 50·6	0·0	+20·045	−0·01	−0·04	3	9·73	51. 8
17	9·0	2 57·53	0·00	3·0544	·028	−0·002	45 56 18·3	0·0	20·045	·01	−0·02	3:4	8·65:8·66	46. 4
18	9·9	3 10·11	...	3·0501	·033	...	50 16 43·6	...	20·045	·01	...	3	9·79	50. 8
19	9·3	3 22·30	...	3·0528	·027	...	44 49 49·6	...	20·045	·02	...	3	8·76	44. 7
20	8·0	3 44·08	+0·01	3·0484	·030	+0·009	47 36 58·2	−0·1	20·044	·02	−0·06	3:4	8·65:8·66	47. 6
21	9·4	0 3 45·40	0·00	+3·0470	−0·032	0·000	−49 11 47·7	0·0	+20·044	−0·02	−0·03	3	9·85	49. 7
22	8·0*	3 54·41	+0·02	3·0530	·023	+0·006	40 17 35·8	−0·1	20·044	·02	−0·03	5	6·82	40. 5
23	8·5	4 3·70	0·00	3·0428	·034	−0·007	51 9 50·1	0·0	20·044	·02	+0·03	3	9·79	51· 14
24	7·0	4 5·70	0·00	3·0431	·034	+0·003	50 43 23·4	0·0	20·044	·02	+0·04	3	9·73	50. 13
25	4·0*	4 20·23	+0·01	3·0459	·028	+0·010	46 17 56·5	−0·2	20·043	·02	−0·19	3	8·75	46. 7
26	9·2	0 4 31·78	−0·01	+3·0440	−0·029	−0·009	−46 55 51·6	0·0	+20·043	−0·02	−0·02	3	8·79	47. 9
27	8·5*	4 43·63	+0·05	3·0479	·024	+0·015	41 26 46·0	−0·3	20·043	·02	−0·11	5	6·86	41. 10
28	7·5	4 53·32	−0·01	3·0436	·027	−0·005	45 13 24·8	0·0	20·042	·02	0·00	3:4	8·78:8·77	45. 9
29	8·9	5 6·26	0·00	3·0372	·032	+0·003	49 41 56·6	0·0	20·042	·02	−0·03	3	9·74	49. 15
30	9·2	5 19·15	0·00	3·0370	·031	0·000	48 42 0·1	0·0	20·041	·02	+0·06	3	9·84	48. 6
31	9·0	0 5 19·39	+0·01	+3·0423	−0·026	+0·005	−44 4 45·8	0·0	+20·041	−0·02	−0·02	5	8·71	44. 11
32	8·5	5 33·56	−0·04	3·0434	·024	−0·014	41 40 28·1	0·0	20·041	·02	−0·01	5	7·19	41. 11
33	9·8	5 39·87	...	3·0385	·028	...	45 40 3·5	...	20·041	·02	...	3	8·78	45. 11
34	9·2	5 40·39	...	3·0307	·034	...	51 31 33·5	...	20·041	·02	...	3	9·83	51. 19
35	7·7	6 14·72	0·00	3·0407	·023	−0·002	40 55 44·9	0·0	20·039	·02	−0·02	8:9	7·52:7·60	41. 13
36	9·8	0 6 20·60	...	+3·0318	−0·030	...	−47 34 33·1	...	+20·039	−0·02	...	3:4	8·80:8·78	47. 12
37	8·4	6 36·73	0·00	3·0260	·032	0·000	50 12 38·9	0·0	20·038	·02	−0·03	3	9·74	50. 19
38	6·5*	6 54·50	−0·03	3·0350	·024	−0·012	42 43 38·7	−0·2	20·038	·02	−0·06	5	7·19	42· 10
39	9·4	7 0·32	...	3·0296	·028	...	46 17 6·0	...	20·037	·02	...	3	8·66	46. 10
40	9·3	7 0·56	...	3·0366	·023	...	41 7 1·2	...	20·037	·02	...	5	7·81	41. 17

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
41	8·8	0 7 17·24	0·00	+3·0194	−0·033	−0·005	−51 15 22·0	0·0	+20·037	−0·02	−0·01	3	9·81	51.22
42	9·2	7 20·60	...	3·0361	·022	...	40 9 57·0	...	20·037	·02	...	5	7·63	40.10
43	9·7	7 48·74	0·00	3·0215	·030	+0·002	48 4 11·4	0·0	20·035	·02	−0·07	3	9·74	48.10
44	7·5	8 7·85	...	3·0271	·025	...	43 37 17·2	...	20·034	·02	...	5	7·40	43.10
45	10·0	8 27·80	...	3·0099	·034	...	51 37 45·0	...	20·033	·03	...	3	9·83	51.23
46	9·0	0 8 39·98	...	+3·0255	−0·024	...	−42 45 42·3	...	+20·032	−0·03	...	5 : 4	7·40:7·56	42.12
47	9·0	8 42·90	...	3·0122	·031	...	49 45 16·7	...	20·032	·03	...	3	9·84	49.22
48	7·0	8 45·41	0·00	3·0131	·031	−0·007	49 14 22·8	0·0	20·032	·03	−0·03	3	9·74	49.24
49	8·9	8 46·44	0·00	3·0135	·031	−0·001	48 59 17·4	0·0	20·032	·03	−0·03	3	9·88	49.25
50	8·5	9 16·71	...	3·0204	·025	...	43 47 33·2	...	20·030	·03	...	5	7·40	43.14
51	9·6	0 9 19·70	...	+3·0184	−0·026	...	−44 42 6·1	...	+20·030	−0·03	...	3 : 4	8·74	44.18
52	7·8	9 24·09	0·00	3·0247	·023	−0·001	40 58 35·3	−0·1	20·030	·03	−0·04	5	7·81	41.26
53	8·1	9 32·35	0·00	3·0050	·032	−0·005	50 25 11·7	0·0	20·029	·03	−0·02	3	9·80	50.26
54	8·8	9 35·17	0·00	3·0093	·030	−0·009	48 26 13·8	0·0	20·029	·03	−0·05	3	9·79	48.12
55	8·9	9 37·26	+0·02	3·0247	·022	+0·009	40 20 56·4	−0·2	20·029	·03	−0·08	5	7·82	40.12
56	8·6	0 9 38·27	...	+3·0173	−0·026	...	−44 23 13·0	...	+20·029	−0·03	...	3	8·79	44.20
57	8·8	9 38·43	−0·01	3·0117	·028	−0·010	47 10 24·0	0·0	20·029	·03	−0·01	3	8·76	47.15
58	9·0	10 9·21	...	3·0127	·026	...	45 12 23·0	...	20·027	·03	...	3	8·78	45.15
59	8·1	10 15·06	+0·01	3·0171	·024	+0·004	42 43 13·7	0·0	20·027	·03	+0·02	5	7·77	42.19
60	9·4	10 26·33	0·00	2·9978	·032	−0·005	50 45 10·5	0·0	20·026	·03	−0·05	3	9·77	50.28
61	7·5	0 10 28·80	−0·01	+3·0191	−0·023	−0·005	−41 0 30·3	−0·3	+20·026	−0·03	−0·09	5	7·22	41.29
62	7·8	10 42·00	0·00	3·0059	·028	−0·003	46 47 41·9	−0·1	20·025	·03	−0·06	3 : 4	8·74:8·73	46.19
63	8·0	11 2·35	−0·01	3·0118	·024	−0·005	43 13 36·3	−0·2	20·024	·03	−0·07	5	7·77	43.16
64	8·3	11 9·39	0·00	2·9972	·030	−0·006	49 6 42·3	0·0	20·023	·03	+0·03	3	9·78	49.30
65	9·0	11 31·28	...	3·0024	·027	...	46 9 58·9	...	20·022	·03	...	3	8·76	46.21
66	9·0	0 11 39·47	...	+3·0151	−0·022	...	−40 2 50·5	...	+20·021	−0·03	...	5	7·41	40.18
67	9·6	11 42·71	−0·03	3·0102	·023	−0·014	42 18 19·2	+0·1	20·021	·03	+0·04	5	7·82	42.21
68	8·8	11 53·03	0·00	2·9892	·031	+0·002	50 10 58·8	0·0	20·020	·03	−0·04	3	9·77	50.31
69	8·5	12 13·01	...	3·0012	·026	...	44 55 11·3	...	20·018	·03	...	5	8·79	45.18
70	8·0	12 13·76	+0·05	3·0024	·025	+0·040	44 24 28·9	−0·1	20·018	·03	−0·06	3 : 4	8·78:8·77	44.27
71	9·3	0 12 34·86	...	+3·0040	−0·024	...	−42 57 1·6	..	+20·017	−0·03	...	5	7·77	43.22
72	9·5	12 53·37	...	2·9833	·031	...	49 50 45·5	...	20·015	·03	...	3	9·74	49.34
73	9·4	13 6·65	...	2·9859	·029	...	48 29 57·2	...	20·014	·03	...	3	9·83	48.23
74	8·8	13 8·22	0·00	2·9970	·025	−0·002	44 31 36·4	0·0	20·014	·03	0·00	3	8·65	44.31
75	7·5	13 24·70	0·00	2·9776	·031	−0·006	50 27 36·0	0·0	20·012	·03	−0·06	3	9·84	50.34
76	7·5	0 13 32·71	−0·01	+2·9873	−0·028	−0·009	−47 5 16·6	0·0	+20·012	−0·03	0·00	3	8·78	47.21
77	9·6	13 41·34	...	3·0024	·022	...	41 12 42·7	...	20·011	·03	...	5	7·80	41.34
78	6·5	13 43·67	+0·01	2·9955	·025	+0·002	43 47 28·0	0·0	20·011	·03	0·00	5	7·07	43.23
79	9·5	13 44·57	−0·02	2·9874	·027	−0·013	46 38 18·3	−0·1	20·011	·03	−0·10	3	8·80	46.26
80	8·7	13 46·12	...	3·0044	·021	...	40 13 59·6	...	20·011	·03	...	5	7·81	40.21

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No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
81	9·1	0 14 14·06	0·00	+2·9869	−0·026	0·000	−45 49 1·0	−0·1	+20·008	−0·04	−0·04	3	8·65	45.23
82	8·0	14 21·85	0·00	3·0003	·022	−0·001	40 40 9·4	−0·6	20·007	·04	−0·27	5	7·62	40.22
83	7·8	14 39·50	0·00	2·9669	·031	0·000	50 59 5·3	0·0	20·006	·04	−0·02	3	9·74	51.34
84	9·8	15 21·65	...	2·9787	·026	...	46 16 1·2	...	20·002	·04	...	3	8·76	46.28
85	9·5	15 26·13	...	2.9981	·024	...	43 7 1·2	...	20·001	·04	...	5	7·07	43.28
86	9·3	0 15 29·45	...	+2·9714	−0·028	...	−48 10 46·4	...	+20·001	−0·04	...	3	9·83	48.26
87	8·5	15 41·33	...	2·9910	·022	...	41 39 0·7	...	20·000	·04	...	5	7·56	41.37
88	9·4	16 20·21	0·00	2·9634	·029	+0·004	48 50 54·5	0·0	19·996	·04	−0·03	3	9·74	48.31
89	8·9	16 33·35	0·00	2·9593	·029	−0·012	49 33 1·3	0·0	19·995	·04	−0·10	3	9·82	49.42
90	8·6†	16 38·00	...	2·9853	·022	...	41 55 8·5	...	19·994	·04	...	5	6·88	42.26
91	9·5	0 16 43·18	...	+2·9651	−0·028	...	−47 44 3·4	...	+19·994	−0·04	...	3	8·91	47.28
92	9·4	17 8·55	0·00	2·9603	·028	+0·005	48 17 21·9	0·0	19·991	·04	0·00	3	9·87	48.32
93	9·1	17 13·14	+0·01	2·9652	·027	+0·011	46 51 38·6	0·0	19·990	·04	0·00	3	8·65	47.29
94	9·0	17 16·28	−0·01	2·9736	·024	−0·007	44 26 9·7	0·0	19·990	·04	+0·03	3	8·78	44.40
95	8·5	17 20·10	−0·01	2·9798	·023	−0·002	42 29 20·3	+0·3	19·989	·04	+0·10	6	7·32	42.29
96	8·8	0 17 22·84	...	+2·9703	−0·025	...	−45 12 12·0	...	+19·989	−0·04	...	3	8·80	45.31
97	7·0*	17 27·55	0·00	2·9442	·031	+0·001	51 32 54·5	0·0	19·989	·04	+0·06	3	9·77	51.40
98	9·0	17 51·99	−0·02	2·9820	·021	−0·007	40 56 29·5	−0·1	19·986	·04	−0·03	5	7·05	41.38
99	9·1	17 56·86	0·00	2·9489	·029	−0·008	49 44 22·2	0·0	19·985	·04	0·00	3	9·83	49.45
100	9·1	18 6·28	−0·01	2·9588	·027	−0·011	47 6 56·6	0·0	19·984	·04	0·00	3	8·65	47.30
101	9·3	0 18 8·71	0·00	+2·9644	−0·025	+0·003	−45 34 39·8	0·0	+19.984	−0·04	0·00	3	8·84	45.35
102	8·1	18 16·94	0·00	2·9404	·031	−0·005	51 6 11·5	0·0	19·983	·04	+0·01	3	9·77	51.44
103	9·8	18 34·41	...	2·9597	·026	..	46 10 36·5	...	19·981	·04	...	3	8·79	46.32
104	9·3	18 53·33	0·00	2·9390	·030	−0·012	50 29 35·7	0·0	19·979	·04	+0·01	3	9·80	50.47
105	8·9†	19 10·82	...	2·9653	·023	...	43 45 27·5	...	19·977	·04	...	5	6·84	43.35
106	9·0	0 19 11·57	−0·01	+2·9777	−0·021	−0·003	−40 13 58·3	+0·1	+19·976	−0·04	+0·02	5	7·41	40.27
107	9·0	19 14·61	...	2·9729	·022	...	41 32 50·0	...	19·976	·04	...	5	7·08	41.40
108	9·5	19 18·65	−0·01	2·9495	·027	−0·010	47 31 53·5	0·0	19·976	·04	−0·04	3	8·78	47.36
109	9·4	19 18·96	−0·01	2·9610	·024	−0·008	44 41 38·0	0·0	19·976	·04	+0·02	3	8·65	44.43
110	7·0	19 47·75	+0·01	2·9269	·031	+0·054	51 35 26·8	−0·1	19·972	·05	−0·25	3	9·74	51.48
111	8·5	0 19 54·22	+0·02	+2·9640	−0·023	+0·008	−43 3 43·6	−0·2	+19·971	−0·05	−0·10	5	7·74	43.39
112	7·5*	20 0·02	+0·02	2·9658	·022	+0·005	42 26 25·4	0·0	19·971	·05	0·00	5	6·84	42.32
113	9·4	20 19·02	+0·02	2·9540	·024	+0·013	45 0 50·7	−0·1	19·968	·05	−0·05	3	8·68	45.38
114	7·9	20 47·93	0·00	2·9176	·031	−0·002	51 57 26·4	0·0	19·964	·05	−0·01	4	9·80	52.38
115	9·3	21 0·45	...	2·9294	·028	...	49 27 2·6	...	19·963	·05	...	3	9·83	49.49
116	9·3	0 21 6·81	−0·01	+2·9380	−0·026	−0·009	−47 31 41·1	−0·1	+19·962	−0·05	−0·07	3	8·78	47.38
117	8·7	21 9·75	0·00	2·9205	·030	0·000	50 56 8·4	0·0	19·961	·05	0·00	3	9·83	51.55
118	10·0	21 16·02	...	2·9322	·027	...	48 31 41·8	...	19·960	·05	...	3	9·89	48.37
119	4·0*	21 17·09	+0·01	2·9517	·024	+0·007	44 14 4·6	0·0	19·960	·05	+0·03	3	8·60	44.47
120	7·0*	21 17·90	−0·02	2·9675	·020	−0·007	40 12 4·1	−0·2	19·960	·05	−0·06	5	6·84	40.29

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
121	9·8	0 21 33·36	...	+2·9431	−0·025	...	−45 50 49·5	...	+19·958	−0·05	...	3	8·79	45.41
122	9·0	21 34·56	0·00	2·9556	·022	0·000	42 53 43·7	+0·1	19·958	·05	+0·05	5	7·43	43.41
123	9·4	21 43·16	...	2·9512	·023	...	43 46 9·6	...	19·957	·05	...	5	7·82	43.42
124	8·5	21 52.61	0·00	2·9204	·029	+0·011	50 1 44·2	0·0	19·956	·05	+0·03	3	9·82	50.53
125	9·0	21 58·83	+0·03	2·9632	·020	+0·007	40 26 5·0	0·0	19·955	·05	0·00	5	6·28	40.32
126	9·5	0 22 5·88	...	+2·9604	−0·021	...	−41 2 45·9	...	+19·954	−0·05	...	5	7·86	41.43
127	9·5	22 42·66	−0·01	2·9317	·025	−0·007	46 46 10·2	0·0	19·948	·05	+0·03	3	8·69	46.39
128	9·3	23 11·17	0·00	2·9099	·029	−0·006	50 17 21·6	0·0	19·944	·05	−0·04	3	9·74	50.56
129	9·0*	23 44·44	+0·02	2·9492	·021	+0·005	41 43 6·0	0·0	19·939	·05	−0·01	5	6·87	41.46
130	9·3	23 45·48	0·00	2·9140	·027	+0·002	48 53 7·0	0·0	19·939	·05	−0·02	3	9·82	49.55
131	6·5*	0 23 52·85	0·00	+2·9001	−0·029	+0·012	−51 5 9·7	0·0	+19·938	−0·05	−0·02	3	9·85	51.63
132	9·1	23 52·91	...	2·9420	·022	...	43 9 36·2	...	19·938	·05	...	5	7·24	43.47
133	8·5	23 59·34	+0·01	2·9320	·024	+0·010	45 9 33·9	0·0	19·937	·05	0·00	3	8·66	45.50
134	9·6	23 59·57	...	2·9080	·028	...	49 39 4·9	...	19·937	·05	...	3	9·87	49.56
135	9·3	24 7·86	...	2·9013	·029	...	50 36 19·6	...	19·936	·05	...	3	9·78	50.61
136	8·9	0 24 18·79	0·00	+2·9278	−0·024	+0·001	−45 36 45·4	0·0	+19·934	−0·05	+0·03	3	8·79	45.52
137	8·3	24 27·74	−0·01	2·9237	·025	−0·008	46 13 48·2	+0·1	19·933	·05	+0·05	3	8·78	46.43
138	7·0	24 29·18	0·00	2·9476	·021	−0·002	41 13 5·8	−0·1	19·933	·05	−0·03	5	7·77	41.47
139	8·9	25 0·13	+0·01	2·9287	·023	+0·009	44 38 3·3	0·0	19·927	·05	−0·02	3	8·68	44.56
140	9·1	25 8·02	−0·01	2·9142	·025	−0·006	47 14 7·4	0·0	19·926	·05	+0·04	3	8·81	47.46
141	9·8	0 25 17·48	...	+2·9077	−0·026	...	−48 12 41·9	...	+19·925	−0·05	...	3	9·78	48.42
142	6·5	25 34·73	−0·01	2·9408	·021	−0·003	41 29 34·0	+0·1	19·922	·06	+0·02	5	7·23	41.49
143	6·5	25 35·00	0·00	2·9472	·020	+0·001	40 4 8·5	−0·2	19·922	·06	−0·08	7	7·16	40.41
144	5·8*	25 35·76	0·00	2·9024	·027	+0·009	48 45 55·5	0·0	19·922	·06	−0·12	3	9·79	48.45
145	8·8	25 40·43	−0·01	2·9089	·026	−0·007	47 35 17·2	−0·1	19·921	·06	−0·11	3	8·79	47.48
146	9·0	0 25 55·89	+0·01	+2·9368	−0·021	+0·004	−41 56 29·7	−0·2	+19·919	−0·06	−0·08	5	7·80	42.43
147	9·6	26 5·73	0·00	2·8821	·029	+0·001	51 23 51·2	0·0	19·917	·06	+0·02	3	9·87	51.70
148	9·1	26 9·82	+0·01	2·9258	·022	+0·006	43 54 27·6	0·0	19·916	·06	0·00	4:5	7·85	44.58
149	9·4	26 16·02	...	2·9306	·021	...	42 50 44·5	...	19·915	·06	...	5	7·83	42.45
150	8·0	26 17·45	0·00	2·8952	·027	−0·001	49 11 35·4	0·0	19·915	·06	−0·05	3	9·80	49.62
151	9·0	0 26 18·88	0·00	+2·8779	−0·029	−0·007	−51 46 47·1	0·0	+19·915	−0·06	+0·01	3	9·79	51.73
152	7·5	26 27·29	−0·01	2·9229	·023	−0·004	44 9 31·5	−0·1	19·913	·06	−0·05	3	8·66	44.59
153	7·8	26 33·13	0·00	2·9098	·024	−0·004	46 27 13·9	0·0	19·913	·06	+0·02	3	8·79	46.51
154	9·5	27 5·59	...	2·8986	·025	...	47 46 42·0	...	19·907	·06	...	3	8·70	47.51
155	9·0*	27 33·94	+0·01	2·9270	·021	+0·003	42 11 48·5	+0·1	19·902	·06	+0·04	5	6·84	42.48
156	10·0	0 27 56·88	...	+2·8747	−0·028	...	−50 33 47·4	...	+19·898	−0·06	...	3	9·75	50.64
157	7·7†	28 14·99	...	2·9330	·019	...	40 18 38·7	...	19·895	·06	...	5	6·89	40.48
158	7·0*	28 23·37	−0·01	2·8922	·025	−0·007	47 30 12·7	−0·1	19·893	·06	−0·05	3	8·60	47.56
159	9·8	28 26·63	...	2·9030	·023	...	45 39 58·6	...	19·893	·06	...	3	8·78	45.58
160	8·5*	28 31·83	−0·01	2·9267	·020	−0·003	41 16 39·9	−0·3	19·892	·06	−0·11	5	6·86	41.53

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
161	9·4	0 28 55·99	...	+2·9146	−0·021	...	−43 9 9·2	...	+19·887	−0·06	...	5	7·77	43.55
162	8·3	29 13·64	+0·01	2·9045	·022	+0·005	44 37 45·3	0·0	19·884	·06	0·00	3	8·83	44.66
163	9·4	29 21·63	...	2·8569	·029	...	51 36 6·7	...	19·883	·06	...	3	9·75	51.80
164	9·8	29 22·74	...	2·8713	·027	...	49 38 36·0	...	19·882	·06	...	3	9·86	49.72
165	7·0	29 28·38	+0·02	2·9127	·021	+0·005	42 58 59·7	+0·1	19·881	·06	+0·02	9:10	7·00:7·09	43.56
166	9·0*	0 29 33·94	0·00	+2·8798	−0·025	−0·003	−48 14 21·3	0·0	+19·880	−0·06	0·00	3	9·82	48.49
167	7·0	29 36·70	−0·01	2·8942	·023	−0·005	45 58 39·9	0·0	19·880	·06	−0·03	5	8·74	46.53
168	9·0	29 41·48	...	2·8986	·023	...	45 11 17·2	...	19·879	·06	...	3	8·66	45.61
169	8·2	30 7 34	+0·02	2·9216	·019	+0·005	40 43 30·6	+0·1	19·874	·06	+0·03	5	6·85	40.53
170	9·5	30 23·55	−0·01	2·9117	·020	−0·003	42 16 22·3	−0·2	19·871	·06	−0·07	5	7·25	42.54
171	8·0	0 30 42·03	+0·02	+2·9210	−0·019	+0·006	−40 17 33·6	−0·5	+19·867	−0·07	−0·19	5	7·42	40.54
172	9·3	30 54·23	+0·01	2·8803	·024	+0·008	46 54 30·2	0·0	19·865	·07	−0·01	3	8·60	47.61
173	5·8*	30 55·02	0·00	2·8688	·025	+0·002	48 32 57·0	0·0	19·865	·06	−0·13	3	9·75	48.51
174	9·0	31 2·85	0·00	2·8507	·027	−0·001	50 50 22·0	0·0	19·863	·06	−0·05	3	9·84	50.72
175	9·8	31 3·32	...	2·8882	·023	...	45 34 15·3	...	19·863	·07	...	3	8·78	45.64
176	9·1	0 31 12·13	0·00	+2·8646	−0·026	+0·003	−48 52 11·6	0·0	+19·861	−0·06	−0·05	3	9·87	49.76
177	8·5*	31 22·40	0·00	2·9091	·020	+0·001	41 50 22·3	−0·3	19·859	·07	−0·11	5	6·85	41.59
178	8·5	31 30·71	...	2·8967	·021	...	43 47 23·8	...	19·858	·07	...	5	6·90	43.59
179	7·1	31 49·82	+0·01	2·8543	·026	+0·033	49 40 45·9	0·0	19·854	·07	−0·15	3	9·77	49.79
180	9·8	31 59·89	...	2·8919	·021	...	44 7 38·7	...	19·852	·07	...	3	8·78	44.71
181	8·5	0 32 24·11	−0·01	+2·8645	−0·024	−0·009	−47 48 53·6	−0·1	+19·847	−0·07	−0·08	3	8·65	47.64
182	9·5*	32 34·96	+0·03	2·9121	·019	+0·009	40 13 31·8	0·0	19·845	·07	0·00	5	6·85	40.56
183	8·9	32 41·53	0·00	2·8826	·022	+0·003	44 57 28·8	0·0	19·843	·07	−0·02	3	8·83	45.70
184	8·5*	33 4·09	0·00	2·9051	·019	−0·001	41 2 19·1	0·0	19·839	·07	+0·01	5	6·88	41.65
185	8·2	33 20·64	0·00	2·8306	·027	−0·003	51 17 2·0	0·0	19·835	·07	−0·01	3	9·75	51.91
186	7·5	0 33 42·06	−0·01	+2·8663	−0·023	−0·008	−46 27 10·9	+0·1	+19·830	−0·07	+0·05	3	8·65	46.60
187	9·4	33 47·27	...	2·8246	·028	...	51 36 27·6	...	19·829	·07	...	3	9·88	51.95
188	8·9	33 49·91	0·00	2·8788	·022	−0·002	44 33 29·0	0·0	19·829	·07	−0·02	3	8·78	44.77
189	8·3*	33 50·10	0·00	2·9013	·019	+0·001	41 1 25·4	−0·3	19·829	·07	−0·09	5	6·90	41.68
190	9·8	33 55·29	...	2·8336	·026	...	50 27 32·1	...	19·828	·07	...	3	9·86	50.80
191	8·0	0 34 6 10	−0·01	+2·8821	−0·021	−0·005	−43 50 42·9	−0·1	+19·825	−0·07	−0·04	10:12	7·25:7·35	43.65
192	9·5	34 9·38	...	2 8466	·025	...	48 40 52·8	...	19·825	·07	...	3	9·85	48.61
193	7·5	34 15·88	−0·01	2·8902	·020	−0·004	42 26 57·7	+0·1	19·823	·07	+0·02	5	7·09	42.61
194	9·6	34 17·99	...	2·8431	·025	...	49 0 17·3	...	19·823	·07	...	3	9·80	49.88
195	8·5	34 20·40	0·00	2·8849	·020	+0·002	43 12 6·3	−0 1	19·822	·07	−0·03	5	7·57	43.68
196	8·5	0 34 57·58	−0·04	+2·8881	−0·020	−0·015	−42 12 23·5	−0·4	+19·814	−0·07	−0·15	5	7·26	42.62
197	6·5*	35 5·93	0·00	2·8660	·022	0·000	45 20 46·4	0·0	19·812	·07	−0·01	3	8·65	45.73
198	8·6	35 17·55	0·00	2·8489	·024	−0·003	47 27 49·9	+0·1	19·810	·07	+0·08	3	8·78	47.70
199	8·7	36 1 09	0·00	2·8218	·026	+0·012	50 8 15·4	0·0	19·800	·07	−0·19	3	9·75	50.92
200	8·8	36 1 90	−0·01	2·8729	·020	−0·003	43 37 37·8	0·0	19·800	·07	+0·01	5	7·77	43.73

No.	Mag.	Mean R.A. 1900·0	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
201	8·3*	0 36 6·57	−0.02	+2·8896	−0·019	−0·005	−41 4 48·8	−0·1	+19·798	−0·07	−0·02	5	6·87	41. 72
202	9·5	36 16·75	...	2·8125	·026	...	50 57 56·1	...	19·796	·07	...	3	9·85	51.103
203	5·0*	36 36·06	−0·01	2·8473	·022	−0·004	46 38 2·2	0·0	19·792	·07	−0·02	3	8·60	46. 63
204	9·8	36 39·72	...	2·8900	·018	...	40 35 18·6	...	19·791	·08	...	5	7·65	40. 62
205	10·0	36 48·22	...	2·8009	·027	...	51 47 24·0	...	19·789	·07	...	3	9·88	51.108
206	8·5*	0 36 54·46	−0·01	+2·8756	−0·019	−0·003	−42 33 50·8	−0·1	+19·787	−0·08	−0·03	5	7·06	42. 64
207	9·0	36 54·47	0·00	2·8286	·024	−0·002	48 41 15·2	0·0	19·787	·07	−0·03	3	9·83	48. 69
208	8·5	37 7·19	0·00	2·8631	·021	+0·004	44 9 12·6	+0·1	19·785	·08	+0·10	3	8·78	44. 83
209	8·3	37 35·51	−0·01	2·8455	·022	−0·008	46 5 53·4	0·0	19·778	·08	−0·03	3	8·62	46. 64
210	8·5	37 48·87	0·00	2·8195	·024	+0·001	49 2 4·6	0·0	19·775	·08	−0·02	6	9·82	49. 96
211	8·3	0 37 54·49	...	+2·8301	−0·023	...	−47 44 31·5	...	+19·773	−0·08	...	3	8·83	47. 76
212	9·5†	38 2·85	...	2·8668	·020	...	42 57 13·9	...	19·771	·08	...	5	6·88	43. 78
213	9·0	38 5·61	...	2·8366	·022	...	46 49 55·3	...	19·771	·08	...	3	8·85	46. 65
214	8·5	38 25·83	0·00	2·8587	·020	+0·001	43 45 53·6	−0·1	19·766	·08	−0·02	5	7·44	43. 79
215	7·0	38 33·88	0·00	2·8427	·022	−0·001	45 43 46·2	0·0	19·764	·08	+0·01	3	8·61	45. 81
216	7·7	0 38 39·80	−0·01	+2·8505	−0·021	−0·006	−44 40 14·8	−0·1	+19·762	−0·08	−0·08	3	8·80	44. 89
217	8·5	38 56·47	0·00	2·8176	·024	+0·002	48 25 59·1	0·0	19·758	·08	−0·04	3	9·76	48. 76
218	8·4	38 58·47	0·00	2·7876	·026	−0·001	51 31 27·4	0·0	19·758	·08	−0·02	3	9·85	51.117
219	9·3	39 7·33	...	2·8805	·018	...	40 12 36·9	...	19·755	·08	...	5	7·25	40. 66
220	7·0	39 35·24	0·00	2·7992	·025	−0·002	49 56 0·3	0·0	19·749	·08	0·00	6	9·86	50.104
221	9·5	0 39 39·72	...	+2·8207	−0·023	...	−47 33 18·2	...	+19·747	−0·08	...	3	8·80	47. 79
222	8·6	39 41·07	+0·01	2·8295	·022	+0·009	46 31 38·4	−0·1	19·747	·08	−0·07	3	8·68	46. 68
223	7·6	39 43·27	0·00	2·7952	·025	0·000	50 15 15·5	0·0	19·746	·08	−0·01	3	9·82	50.105
224	9·4	40 13·13	−0·01	2·8638	·019	−0·005	41 48 10·4	+0·1	19·739	·08	+0·03	5	7.46	41. 73
225	6·5*	40 13·45	−0·03	2·8531	·019	−0·011	43 13 16·1	−0·4	19·739	·08	−0·12	5	7·06	43. 85
226	9·0	0 40 30·81	...	+2·8448	−0·020	...	−44 6 33·3	...	+19·734	−0·08	...	3	8·85	44. 94
227	8·5*	40 33·31	+0·01	2·8324	·021	+0·005	45 34 2·3	+0·1	19·734	·08	+0·05	3	8·68	45. 85
228	7·5	40 41·01	0·00	2·7971	·024	+0·002	49 23 1·6	0·0	19·732	·08	−0·01	3	9·80	49.104
229	9·2	40 41·47	+0·01	2·8734	·017	+0·006	40 8 7·8	0·0	19·732	·08	−0·02	5	7·85	40. 70
230	9·1	40 43·01	0·00	2·7788	·025	−0·006	51 10 26·6	0·0	19·731	·08	+0·05	3	9·89	51.120
231	8·8	0 40 46·29	...	+2·8179	−0·022	...	−47 5 47·1	...	+19·730	−0·08	...	3	8·78	47. 81
232	8·3	40 48·90	−0·01	2·8462	·020	−0·003	43 41 20·2	0·0	19·730	·08	+0·01	4 : 5	7·87	43. 86
233	9·3	40 59·14	...	2·8334	·021	...	45 8 27·6	...	19·727	·08	...	3	8·83	45. 86
234	8·0	41 3·60	0·00	2·7998	·023	−0·008	48 50 49·7	0·0	19·726	·08	−0·09	3	9·87	48. 83
235	6·0*	41 4·19	0·00	2·8068	·023	+0·016	48 6 4·0	0·0	19·726	·08	+0·07	5	9·85	48. 82
236	8·5	0 41 23·14	+0·03	+2·8352	−0·020	+0·021	−44 38 58·6	0·0	+19·721	−0·08	−0·01	3	8·60	44. 95
237	9·6	41 51·48	...	2·7768	·025	...	50 36 26·0	...	19·713	·08	...	3	9·81	50.111
238	9·0*	41 53·75	−0·01	2·8480	·019	−0·003	42 42 22·9	0·0	19·713	·08	0·00	5	6·90	42. 71
239	8·8	42 17·88	−0·03	2·8484	·019	−0·012	42 23 34·5	0·0	19·706	·08	−0·01	5	7·44	42. 72
240	9·5	42 35·93	...	2·7928	·023	...	48 32 9·4	...	19·702	·08	...	3	9·86	48. 89

No.	Mag.	Mean R.A. 1900·0	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·00.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
241	10·0	0 42 36·24	...	+2·7587	−0·025	...	−51 46 33·8	...	+19·701	−0·08	...	3	9·87	51.124
242	8·3	43 31·43	0·00	2·8163	·021	+0·002	45 25 42·4	0·0	19·686	·08	+0·02	3	8·60	45. 90
243	9·8	43 40·26	...	2·8077	·021	...	46 16 14·3	...	19·684	·09	...	3	8·78	46. 78
244	8·5	44 14·13	0·00	2·7760	·023	−0·005	49 8 19·6	0·0	19·675	·09	−0·06	3	9·77	49.112
245	9·0*	44 14·73	0·00	2·8491	·017	+0·001	41 2 34·6	+0·1	19·674	·09	+0·02	5	6·89	41. 77
246	6·6*	0 44 18·33	−0·01	+2·7947	−0·022	−0·005	−47 14 36·7	0·0	+19·673	−0·09	+0·02	3	8·68	47. 89
247	7·5	44 21·40	−0·01	2·8318	·019	−0·002	43 6 25·4	−0·1	19·673	·09	−0·02	5	7·47	43. 92
248	9·6	44 40·64	...	2·7547	·024	...	50 48 44·4	...	19·667	·09	...	3	9·86	50.119
249	9·4	44 47·74	...	2·8416	·018	...	41 38 3·4	...	19·665	·09	...	5	7·84	41. 79
250	9·0*	45 13·38	−0·01	2·8145	·020	−0·005	44 32 5·4	−0·1	19·658	·09	−0·08	3	8·68	44.100
251	10·0	0 45 13·95	...	+2·7726	−0·022	...	−48 49 59·6	...	+19·658	−0.09	...	3	9·86	48. 96
252	9·0	45 22·23	...	2·7821	·022	...	47 50 15 8	...	19·655	·09	...	3	8·78	47. 91
253	7·0*	45 22·63	−0·01	2·8190	·019	−0·003	43 56 24·7	0·0	19·655	·09	0·00	5	6·89	44.101
254	8·8	45 23·67	0·00	2·8424	·017	0·000	41 9 54·0	−0·1	19·655	·09	−0·02	5	7·29	41. 80
255	8·5	45 26·53	+0·01	2·7950	·021	+0·007	46 29 1·2	−0·1	19·654	·09	−0·06	3	8·75	46. 82
256	10·3	0 45 32·86	...	+2·7607	−0·023	...	−49 44 26·6	...	+19·652	−0·09	...	3	9·89	49.117
257	9·5	45 33·30	−0·01	2·8501	·017	−0·005	40 6 17·0	0·0	19·652	·09	+0·02	4:5	7·86	40. 78
258	9·3	45 40·35	...	2·7346	·025	...	51 55 45·7	...	19·650	·09	...	3	9·86	52.110
259	9·3	45 59·16	0·00	2·8089	·019	−0·003	44 41 0·9	0·0	19·645	·09	−0·04	3	8·80	44.102
260	8·9	46 4·00	+0·02	2·8313	·018	+0·009	42 6 2·5	0·0	19·643	·09	0·00	5	7·67	42. 77
261	9·5	0 46 5·63	...	+2·8257	−0·018	...	−42 43 0·5	...	+19·643	−0·09	...	5	7·86	42. 78
262	5·5*	46 8·07	0·00	2·7360	·024	+0·004	51 31 57·2	0·0	19·642	·09	+0·03	3	9·70	51.132
263	9·5	46 48·57	...	2·7823	·021	...	46 55 29·8	...	19·630	·09	...	3	8·80	47. 95
264	9·8	46 51·95	0·00	2·7464	·023	0·000	50 12 44·1	0·0	19·629	·09	+0·04	3	9·87	50.124
265	9·4	46 54·38	...	2·7668	·022	...	48 21 41·3	...	19·628	·09	...	2	9·86	48.100
266	8·5	0 47 2·16	0·00	+2·7779	−0·021	0·000	−47 13 58·3	0·0	+19·626	−0·09	−0·02	3	8·60	47. 96
267	9·5*	47 6·34	+0·04	2·8366	·017	+0·013	40 50 45·5	−0·6	19·625	·09	−0·19	5	6·89	40. 80
268	8·5	47 11·96	0·00	2·7384	·023	−0·001	50 41 45·6	0·0	19·623	·09	−0·07	3	9·73	50·125
269*	7·2	47 12·16	0·00	2·8060	·019	−0·001	44 15 10·0	0·0	19·623	·09	−0·01	3	8·82	44.107
270	7·9†	47 15·88	−0·02	2·8155	·018	−0·006	43 11 12·2	−0·2	19·622	·09	−0·06	5	6·86	43.100
271	9·3	0 47 32·76	...	+2·8410	−0·016	...	−40 2 23·9	...	+19·617	−0·09	...	5	7·28	40. 82
272	9·4	47 40·35	0·00	2·7674	·021	+0·001	47 50 45·0	−0·1	19·615	·09	−0·08	3	8·82	47. 99
273	9·4	47 57·04	...	2·7859	·020	...	45 53 51·6	...	19·610	·09	...	3	8·79	46. 86
274	8·8	48 15·34	...	2·7201	·024	...	51 35 6·0	...	19·604	·09	...	3	9·81	51.143
275	8·4	48 20·30	0·00	2·7268	·023	−0·002	51 0 17·1	0·0	19·603	·09	−0·08	5	9·86	51.144
276	9·3	0 48 32·87	...	+2·7902	−0·019	...	−45 6 52·0	...	+19·599	−0·09	...	3	8·79	45. 94
277	7·9	48 43·00	0·00	2·7798	·020	+0·002	46 2 56·2	−0·1	19·596	·09	−0·04	3	8·61	46. 88
278	9·0†	49 1·49	...	2·8013	·018	...	43 41 27·5	...	19·590	·10	...	5	6·86	43.104
279	9·5	49 14·94	0·00	2·7463	·021	−0·001	48 50 10·1	0·0	19·586	·09	−0·05	3	9·81	48.108
280	9·0*	49 16·33	+0·01	2·8166	·017	+0·004	41 53 15·5	−0·1	19·585	·10	−0·04	5	6·91	42. 83

269. $7^m·6$, $8^m·4$ 1″·1 1° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
281	6·7*	0 49 25·29	0·00	+2·7395	−0·022	+0·002	−49 20 3·9	0·0	+19·583	−0·09	−0·02	3	9·73	49.130
282	8·7	49 30·34	0·00	2·8242	·016	+0·001	40 54 51·1	−0·1	19·581	·10	−0·03	5	7·46	41. 86
283	10·0	50 5·14	...	2·7160	·023	...	50 53 1·0	...	19·570	·09	...	3	9·87	51.146
284	9·3	50 8·43	0·00	2·7266	·022	−0·005	50 0 12·0	0·0	19·569	·09	−0·08	3	9·87	50.132
285	7·6	50 22·10	0·00	2·7731	·019	−0·002	45 45 41·9	0·0	19·565	·10	−0·02	3	8·73	45. 96
286	9·0*	0 50 26·94	0·00	+2·8048	−0·017	0·000	−42 31 14·6	−0·3	+19·563	−0·10	−0·08	5	6·86	42. 86
287	8·0	50 34·60	0·00	2·7807	·019	−0·002	44 54 36·9	0·0	19·561	·10	−0·02	3	8·85	45. 97
288	8·0*	50 35·52	−0·01	2·7937	·018	−0·004	43 35 27·1	+0·1	19·560	·10	+0·03	5	6·90	43.109
289	7·0	50 38·87	−0·02	2·7476	·021	−0·014	47 56 34·8	−0·2	19·559	·10	−0·13	6	8·72	48.109
290	10·0	50 55·08	0·00	2·8158	·016	−0·001	41 3 48·1	−0·1	19·554	·10	−0·03	5	7·28	41. 88
291	8·0*	0 51 37·50	0·00	+2·7919	−0·018	0·000	−43 13 11·9	−0·3	+19·540	−0·10	−0·09	5	6·86	43.110
292	9·6	51 48·88	−0·02	2·7519	·020	−0·014	46 55 10·0	−0·1	19·537	·10	−0·07	3	8·78	47.105
293	9·4	52 3·20	...	2·7559	·019	...	46 26 21·0	...	19·532	·10	...	3	8·70	46. 95
294	8·0	52 19·45	0·00	2·7434	·020	−0·003	47 24 18·7	0·0	19·527	·10	−0·02	3	8·72	47.106
295	9·0*	52 38·78	+0·01	2·8163	·016	+0·002	40 4 4·9	0·0	19·520	·10	0·00	5	6·85	40. 84
296	8·9	0 52 39·03	0·00	+2·7078	−0·022	+0·003	−50 8 17·9	0·0	+19·520	−0·10	−0·08	3	9·69	50.140
297	8·3*	52 55·98	0·00	2·7989	·016	−0·001	41 47 44·3	−0·4	19·515	·10	−0·12	5	6·90	41. 92
298	8·1	52 56·56	0·00	2·7167	·021	+0·001	49 17 1·6	0·0	19·514	·10	+0·02	3	9·84	49.136
299	9·7	53 21·26	...	2·7193	·021	...	48 52 9·8	...	19·506	·10	...	3	9·88	49.137
300	8·9	53 21·52	0·00	2·7745	·018	+0·003	43 59 56·4	−0·1	19·506	·10	−0·07	5	8·74	44.116
301	8·0*	0 53 31·83	−0·01	+2·8081	−0·016	−0·004	−40 30 18·7	−0·1	+19·503	−0·10	−0·04	5	6·88	40. 88
302	9·5	53 41·44	...	2·6952	·022	...	50 33 28·4	...	19·499	·10	...	3	9·79	50.141
303	10·0	53 57·91	...	2·7296	·020	...	47 42 37·4	...	19·494	·10	...	3	8·81	47.107
304	8·0	54 17·70	0·00	2·6736	·022	+0·003	51 48 19·6	0·0	19·487	·10	0·00	3	9·75	51.150
305	9·5	54 20·83	...	2·7521	·018	...	45 34 4·6	...	19·486	·10	...	3	8·84	45.101
306	8·5*	0 54 25·71	+0·02	+2·7709	−0·017	+0·005	−43 47 7·9	−0·2	+19·484	−0·10	−0·07	5	6·88	43.114
307	8·5*	54 27·35	−0·01	2·7864	·016	−0·004	42 16 51·6	−0·1	19·484	·10	−0·02	5	6·91	42. 91
308	8·6	54 28·90	...	2·7185	·020	...	48 20 37·2	...	19·483	·10	...	3	9·87	48.119
309	9·2	54 44·98	0·00	2·7922	·016	−0·001	41 32 18·1	−0·2	19·478	·10	−0·07	5	7·45	41. 94
310	9·0	54 57·06	−0·01	2·7301	·019	−0·008	47 9 10·5	0·0	19·473	·10	−0·03	3	8·69	47.114
311	9·3	0 55 11·76	0·00	+2·6928	−0·021	0·000	−49 58 1·3	0·0	+19·468	−0·10	+0·01	3	9·79	50.142
312	9·6	55 13·40	...	2·7799	·017	...	42 31 25·5	...	19·468	·10	...	5	7·47	42. 92
313	9·3	55 14·45	0·00	2·7561	·018	0·000	44 44 49·6	−0·1	19·467	·10	−0·06	3	8·80	44.122
314	8·5	55 14·72	0·00	2·7366	·019	+0·002	46 27 18·6	0·0	19·467	·10	+0·02	3	8·74	46. 98
315	9·6	55 18·72	...	2·7597	·018	...	44 23 7·3	...	19·466	·10	...	3	8·87	44.123
316	10·0	0 55 29·74	...	+2·7010	−0·020	...	−49 11 57·9	...	+19·462	−0·10	...	3	9·87	49.140
317	9·0	55 39·13	0·00	2·7437	·018	+0·004	45 38 29·9	0·0	19·459	·10	−0·01	3	8·81	45.105
318	8·0	55 43·97	0·00	2·6740	·021	+0·002	51 3 51·1	0·0	19·457	·10	+0·01	3	9·76	51.152
319	10·0*	56 3·71	0·00	2·8000	·015	0·000	40 4 39·5	0·0	19·450	·11	0·00	5	6·86	40. 91
320	9·3	57 23·06	0·00	2·6663	·021	−0·011	50 47 42·0	0·0	19·422	·10	−0·08	3	9·81	50.147

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
321	8·5†	0 57 23·70	...	+2·7733	−0·016	...	−42 4 57·9	...	+19·421	−0·11	...	5	6·86	42. 98
322	9·8	57 32·64	...	2·7564	·017	...	43 34 25·2	...	19·418	·11	...	5	7·29	43.119
323	8·4	57 38·18	0·00	2·6732	·021	−0·013	50 11 33·9	0·0	19·416	·11	−0·13	3	9·76	50.148
324	8·0	57 43·38	−0·01	2·7309	·018	−0·006	45 42 34·0	0·0	19·414	·11	−0·01	3	8·70	45.116
325	9·4	57 45·84	−0·02	2·7652	·016	−0·009	42 39 43·8	+0·1	19·414	·11	+0·05	5	7·47	42.100
326	7·9	0 57 50·70	0·00	+2·7427	−0·017	+0·004	−44 38 18·5	0·0	+19·412	−0·11	+0·04	3	8·79	44.130
327	9·0	58 1·70	0·00	2·6906	·020	+0·001	48 44 22·5	0·0	19·408	·11	−0·04	3	9·88	48.125
328	9·0	58 6·26	+0·02	2·7855	·015	+0·010	40 33 16·9	+0·1	19·406	·11	+0·05	5	7·85	40. 94
329	7·6	58 15·09	−0·01	2·7014	·019	−0·011	47 49 17·3	−0·1	19·403	·11	−0·13	3	8·88	47.122
330	5·5*	58 18·86	0·00	2·7123	·018	−0·002	46 56 6·7	0·0	19·401	·11	0·00	4	8·84	47.123
331	10·0	0 58 21·06	....	+2·6803	−0·020	...	−49 20 47·3	...	+19·401	−0·11	...	3	9·88	49.142
332	9·0	58 35·92	+0·02	2·7171	·018	+0·014	46 25 18·7	−0·1	19·395	·11	−0·06	3	8·82	46.106
333	7·0*	58 41·69	−0·01	2·7722	·015	−0·002	41 33 30·1	−0·1	19·393	·11	−0·02	5	6·86	41. 99
334	8·9	59 0·53	0·00	2·6373	·021	−0·010	51 57 29·0	0·0	19·386	·11	−0·04	3	9·77	52.141
335*	7·0*	59 18·98	−0·03	2·7731	·015	−0·010	41 11 7·0	0·0	19·379	·11	0·00	5	6·90	41.101
336	10·0	0 59 24·43	...	+2·6676	−0·020	...	−49 45 21·5	...	+19·377	−0·11	...	3	9·86	49.144
337	9·5	59 35·88	0·00	2·7274	·017	0·000	45 6 12·1	0·0	19·373	·11	−0·03	3	8·78	45.118
338	7·8*	1 0 12·92	+0·01	2·7417	·016	+0·002	43 36 3·4	−0·3	19·359	·11	−0·08	5	6·85	43.123
339	7·0*	0 45·80	−0·02	2·7699	·015	−0·006	40 48 19·8	−0·1	19·346	·11	−0·03	5	6·92	40. 99
340	8·6	0 54·85	−0·01	2·7069	·018	−0·005	46 8 39·1	0·0	19·343	·11	−0·03	3	8·77	46.111
341	9·1	1 0 57·45	...	+2·6359	−0·020	...	−51 9 59·2	...	+19·342	−0·11	...	3	9·69	51.161
342	8·7	1 4·85	−0·01	2·7564	·015	−0·003	41 54 16·4	+0·1	19·339	·11	+0·05	8	7·27	42.103
343	9·6	1 7·29	...	2·7349	·016	...	43 46 30·2	...	19·338	·11	...	5	7·85	43.126
344	7·6	1 28·80	...	2·7492	·015	...	42 22 20·0	...	19·330	·11	...	5	7·26	42.105
345	9·1	1 32·85	0·00	2·6574	·019	−0·009	49 28 36·8	0·0	19·328	·11	−0·07	3	9·87	49.147
346	8·0	1 1 34·78	−0·01	+2·7402	−0·016	−0·003	−43 6 35·4	+0·2	+19·328	−0·11	+0·08	5	7·66	43.129
347*	4·0*	1 37·35	−0·01	2·6882	·018	−0·005	47 15 14·4	0·0	19·327	·11	+0·01	3	8·81	47.129
348	7·0*	1 51·28	−0·01	2·7692	·014	−0·004	40 23 31·5	0·0	19·321	·12	−0·01	5	6·93	40.103
349	7·9	1 56·37	0·00	2·6742	·018	+0·004	48 7 48·5	0·0	19·319	·11	−0·05	5	9·81	48.133
350	8·4	2 7·00	0·00	2·6959	·017	−0·003	46 27 11·1	0·0	19·315	·11	−0·01	3	8·77	46.113
351	9·1	1 2 20·22	0·00	+2·6649	−0·019	+0·003	−48 36 45·7	0·0	+19·310	−0·11	+0·02	3	9·90	48.134
352	9·0	2 21·10	+0·01	2·6204	·020	+0·053	51 31 28·3	0·0	19·309	·11	−0·02	3	9·88	51.162
353	9·6	2 46·95	...	2·7119	·017	...	4 54 37·6	...	19·299	·12	...	3	8·83	45·124
354	9·4	2 52·02	0·00	2·6319	·020	−0·006	50 34 44·6	0·0	19·297	·11	−0·01	3	9·79	50.155
355	7·0*	2 56·64	+0·04	2·7428	·015	+0·013	42 16 46·0	−0·3	19·295	·12	−0·09	5	6·85	42.110
356	8·3	1 3 12·36	0·00	+2·7168	−0·016	+0·004	−44 19 32·1	−0·1	+19·289	−0·12	−0·05	3	8·77	44.139
357	8·5*	3 24·04	+0·02	2·7539	·014	+0·005	41 6 24·0	0·0	19·285	·12	−0·01	5	6·91	41.108
358	9·2	3 24·87	+0·01	2·6962	·017	+0·005	45 50 54·9	0·0	19·284	·12	+0·02	3	8·86	45.127
359	9·3	3 32·48	0·00	2·7021	·017	−0·001	45 20 28·6	0·0	19·281	·12	−0·04	3	8·81	45.128
360*	7·0	4 7·05	0·00	2·6737	·017	−0·001	47 12 8·9	0·0	19·267	·12	+0·02	3	8·81	47.132

335. $7^m·3, 8^m·6$ 1″·0 151° Mass observed.
360. $7^m·1, 9^m·6$ 0″·9 201° Mass observed.

347. $4^m·8, 4^m·8$ 1″·1 19° Binary; mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
361	9·5	1 4 26·11	...	+2·6412	−0·018	...	−49 18 2·3	...	+19·260	−0·12	...	3	9·78	49.153
362	8·3	4 28·78	+0·01	2·7242	·015	+0·004	43 10 39·3	+0·1	19·259	·12	+0·05	5	7·47	43.135
363	7·7	4 30·14	+0·01	2·7270	·015	+0·005	42 56 6·7	−0·1	19·258	·12	−0·06	7	7·44	43.136
364	8·9	4 46·91	...	2·6631	·018	...	47 39 51·0	...	19·251	·12	...	3	8·79	47.133
365	8·9	4 47·63	0·00	2·6057	·019	−0·002	51 22 11·4	0·0	19·251	·11	+0·05	3	9·76	51.166
366	8·9	1 4 51·39	...	+2·6512	−0·018	...	−48 27 21·4	...	+19·249	−0·12	...	3	9·88	48.142
367*	8·5*	4 59·46	−0·02	2·7509	·014	−0·007	40 40 32·1	+0·1	19·246	·12	+0·03	5	6·86	40.110
368	8·6	5 7·08	0·00	2·6734	·017	+0·002	46 47 55·4	−0·1	19·243	·12	−0·07	3	8·79	46.120
369	9·5	5 8·88	0·00	2·6104	·019	−0·005	50 56 10·3	0·0	19·242	·12	0·00	3	9·90	51.168
370	9·2	5 38·75	0·00	2·6997	·016	−0·001	44 36 32·7	+0·1	19·230	·12	+0·05	3	8·86	44.144
371	9·8	1 5 58·44	...	+2·6825	−0·016	...	−45 45 44·2	...	+19·222	−0·12	...	3	8·85	45.134
372	8·0*	6 0·65	+ 0·01	2·7124	·015	+0·002	43 29 1·9	+0·2	19·221	·12	+0·05	5	6·87	43.139
373	8·5	6 11·75	0·00	2·6146	·019	−0·006	50 14 47·0	0·0	19·216	·12	−0·01	3	9·63	50.159
374	9·9	6 19·63	...	2·6869	·016	...	45 17 37·7	...	19·213	·12	...	3	8·81	45.136
375	9·3†	6 36·82	...	2·7286	·014	...	41 53 55·2	...	19·206	·12	...	5	6·92	42.117
376	9·3	1 6 44·71	...	+2·6446	−0·017	...	−48 5 41·3	...	+19·203	−0 12	...	3	9·82	48.144
377	9·3	6 59·53	...	2·6969	·015	...	44 15 35·4	...	19·197	·12	...	3	8·79	44.149
378	9·5*	7 18·77	+0·05	2·7329	·014	+0·015	41 16 10·8	−0·2	19·188	·12	−0·07	5	6·86	41.114
379	9·1	7 20·10	...	2·6652	·016	...	46 26 28·7	...	19·188	·12	...	3	8·82	46.122
380	9·0	7 33·60	−0·01	2·6565	·017	−0 008	46 57 30·5	0·0	19·182	·12	−0·04	3	8·84	47.138
381	9·4†	1 7 37·44	...	+2·7218	−0·014	...	−42 3 7·7	...	+19·180	−0·12	...	5	6·92	42.118
382	9·5	7 50·42	−0·01	2·6448	·017	−0·007	47 37 58·8	−0·1	19·175	·12	−0·12	3	8·85	47.139
383	9·5	7 58·48	...	2·7228	·014	...	41 49 17·2	...	19·172	·12	...	5	7·46	41.117
384*	8·8*	7 59·91	0·00	2·6098	·018	+0·008	49 48 32·2	0·0	19·171	·12	+0·01	3	9·63	49.160
385	9·2	8 9·95	0·00	2·6241	·017	0·000	48 50 51·3	0·0	19·167	·12	+0·03	3	9·89	48.147
386	9·6	1 8 17·02	...	+2·6950	−0·015	...	−43 52 42·5	...	+19·164	−0·12	...	5	7·65	44.151
387	8·7	8 19·53	0·00	2·5994	·018	+0·001	50 17 56·6	0·0	19·163	·12	0·00	3	9·82	50.163
388	8·8	8 32·60	0·00	2·6132	·018	−0·002	49 22 24·2	0·0	19·157	·12	+0·10	3	9·89	49.161
389	7·5	8 51·88	+0·03	2·7395	·013	+0·012	40 4 17·0	0·0	19·149	·13	0·00	9	7·33	40.114
390	7·5*	9 19·74	−0·02	2·7023	·014	−0·006	42 54 7·4	+0·1	19·137	·13	+0·04	5	6·87	43.148
391	8·5	1 9 25·54	0·00	+2·5767	−0·018	0·000	−51 11 19·6	0·0	+19·134	−0·12	−0·02	3	9·63	51.178
392	8·5*	9 56·15	−0·08	2·7055	·014	−0·027	42 25 19·7	−0·3	19·121	·13	−0·10	5	6·89	42.125
393	9·0	10 0·91	−0·02	2·7221	·013	−0·006	41 4 43·0	−0·1	19·119	·13	−0·02	5	7·28	41.121
394	7·6	10 3·95	0·00	2·5766	·018	−0·003	50 56 45·2	0·0	19·117	·12	−0·01	3	9·82	51.180
395	9·5	10 7·11	0·00	2·6698	·015	−0·002	44 59 55·6	0·0	19·116	·13	−0·03	3	8·77	45.140
396	8·9	1 10 15·46	...	+2·6576	−0·016	...	−45 47 51·0	...	+19·112	−0·13	...	3	8·83	45.141
397	9·3	10 18·92	...	2·6494	·016	...	46 20 1·3	...	19·111	·13	...	3	8·89	46.126
398	9·8	10 21·69	...	2·6293	·016	...	47 38 38·4	...	19·109	·12	...	3	8·86	47.144
399	8·3	10 44·24	+0·01	2·6642	·015	+0·006	45 8 59·1	0·0	19·100	·13	−0·03	3	8·90	45.143
400	8·5*	11 13·33	+0·01	2·7235	·013	+0·004	40 28 54·0	+0·1	19·087	·13	+0·03	5	6·85	40.116

367. $9^m·0, 9^m·5$ 2″·3 72° Mass observed.

384. $9^m·3, 9^m·6$ 1″± 50°± Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C.P.D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
401	9·5	1 11 14·82	0·00	+2·5987	−0·017	+0·004	−49 11 48·6	0·0	+19·086	−0·12	−0·04	3	9·71	49.165
402	9·9	11 31·62	...	2·5529	·018	...	51 41 20·1	...	19·078	·12	...	3	9·88	51.181
403	9·0	11 45·74	−0·02	2·6251	·016	−0·013	47 21 48·2	−0·1	19·072	·13	−0·05	3	8·77	47.145
404	8·0*	12 12·22	−0·02	2·7032	·013	−0·005	41 42 30·4	−0·1	19·060	·13	−0·03	5	6·86	41.122
405	8·0*	12 18·84	−0·01	2·7236	·013	−0·004	40 3 47·6	+0·1	19·057	·13	+0·03	5	6·91	40.118
406	9·1	1 12 25·82	+0·01	+2·6631	−0·015	+0·007	−44 33 47·1	0·0	+19·054	−0·13	+0·01	3	8·82	44.160
407	10·0	12 50·52	...	2·6017	·016	...	48 24 28·8	...	19·043	·13	...	3	9·71	48.152
408	9·5	13 16·08	...	2·6737	·014	...	43 30 19·0	...	19·031	·13	...	5	7·09	43.154
409	8·2	13 21·78	−0·01	2·6260	·015	−0·011	46 41 55·6	0·0	19·028	·13	−0·04	3	8·77	46.132
410	9·5*	13 24·50	+0·03	2·6920	·013	+0·010	42 6 48·1	−0·3	19·027	·13	−0·11	5	6·89	42.130
411	8·0	1 13 28·03	0·00	+2·5418	−0·017	−0·006	−51 33 41·1	0·0	+19·026	−0·12	−0·03	3	9·78	51.184
412	8·3	13 33·30	0·00	2·5642	·017	−0·002	50 19 19·5	0·0	19·023	·13	−0·08	3	9·89	50.171
413	9·1	13 41·48	0·00	2·5714	·017	−0·002	49 52 5·0	0·0	19·019	·13	−0·00	3	9·90	50.172
414	8·8	13 42·78	...	2·5840	·016	...	49 8 3·5	...	19·019	·13	...	3	9·79	49.173
415	9·6	13 50·18	...	2·6818	·013	...	42 42 20·0	...	19·015	·13	...	5	7·86	42.131
416	8·6	1 13 58·27	0·00	+2·6525	−0·014	−0·002	−44 43 24·1	0·0	+19·012	−0·13	+0·01	3	8·81	44.162
417	9·6	14 3·94	...	2·5476	·017	...	51 2 7·1	...	19·009	·13	...	3	9·79	51.185
418	7·0*	14 18·44	−0·01	2·6631	·014	−0·004	43 51 33·1	0·0	19·002	·13	+0·01	5	6·88	43.155
419	8·9	14 29·35	...	2·6197	·015	...	46 40 42·6	...	18·997	·13	...	3	8·77	46.136
420	9·0	14 31·45	...	2·6384	·015	...	45 27 45·4	...	18·996	·13	...	3	8·86	45.146
421	9·5*	1 14 39·57	0·00	+2·7067	−0·012	0·000	−40 31 2·9	−0·2	+18·993	−0·13	−0·08	5	6·91	40.123
422	8·1	14 47·94	0·00	2·6102	·015	−0·001	47 9 17·6	−0·1	18·989	·13	−0·09	3	8·87	47.150
423	8·5	14 49·23	0·00	2·6563	·014	+0·001	44 8 55·4	−0·2	18·988	·13	−0·21	3	8·85	44.165
424	9·0	14 50·47	0·00	2·5846	·016	−0·010	48 40 55·7	0·0	18·987	·13	−0·06	3	9·70	48.155
425	9·5	15 7·10	...	2·6935	·013	...	41 21 59·6	...	18·980	·13	...	5	7·84	41.125
426	8·9	1 15 14·37	...	+2·6692	−0·014	...	−43 5 28·7	...	+18·976	−0·13	...	5	7·87	43.158
427	7·4	15 15·08	0·00	2·5966	·016	0·000	47 49 3·0	−0·1	18·976	·13	−0·08	3	8·91	47.153
428	9·6	15 27·51	...	2·6472	·014	...	44 31 20·9	...	18·970	·13	...	3	8·88	44.167
429	9·3	15 39·08	0·00	2·6240	·015	−0 004	45 59 1·6	0·0	18·965	·13	+0·01	5	8·81	46.138
430	9·8	15 44·78	...	2·5435	·017	...	50 38 34·0	...	18·962	·13	...	3	9·72	50.176
431	9·7	1 16 3·95	...	+2·5656	−0·016	...	−49 19 28·6	...	+18·953	−0·13	...	3	9·86	49.177
432	8·9	17 2·00	0·00	2·6113	·014	−0·002	46 16 45·4	0·0	18·925	·13	+0·04	3	8·79	46.143
433	9·5*	17 4·27	+0·01	2·6661	·013	+0·004	42 39 36·6	0·0	18·924	·14	+0·01	5	6·86	42.132
434	6·5*	17 4·60	0·00	2·5417	·016	+0·002	50 15 59·9	0·0	18·924	·13	+0·02	3	9·63	50.181
435	7·3	17 9·34	+0·01	2·6203	·014	+0·012	45 39 47·1	+0·1	18·922	·13	+0·05	3	8·80	45.149
436	6·4*	1 17 13·20	0·00	+2·5177	−0·016	−0·005	−51 27 38·1	0·0	+18·920	−0·13	+0·01	3	9·85	51.189
437	3·5	17 34·28	...	2·5455	·016	...	49 53 38·0	...	18·909	·13	...	3	9·89	50.183
438	9·5*	17 45·89	0·00	2·6857	·012	+0·001	40 59 49·4	+0·2	18·904	·14	+0·05	5	6·91	41.128
439	8·7	17 51·20	...	2·5989	·015	...	46 44 42·1	...	18·901	·13	...	3	8·84	46.144
440	6·5*	17 59·74	+0·01	2·6395	·013	+0·007	44 7 35·9	0·0	18·897	·14	+0·04	3	8·78	44.171

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
441	8·9	1 18 5·75	−0·01	+2·5794	−0·015	−0·010	−47 48 59·0	−0·1	+18·894	−0·13	−0·06	3	8·82	47.156
442	9·0	18 11·02	...	2·5717	·015	...	48 13 45·8	...	18·892	·13	...	3	9·63	48.163
443	8·5*	18 49·80	−0·02	2·6421	·013	−0·006	43 40 16·9	−0·2	18·873	·14	−0·05	5	6·86	43.160
444	7·5	19 10·51	+0·01	2·6678	·012	+0·005	41 47 24·0.	−0·2	18·862	·14	−0·07	5	7·11	41.129
445	9·2	19 14·10	...	2·6598	·012	...	42 19 36·2	...	18·861	·14	...	5	7·84	42.133
446*	7·0	1 19 14·17	−0·01	+2·6720	−0·012	−0·005	−41 28 32·5	−0·2	+18·861	−0·14	−0·09	5	7·28	41.131
447	9·5	19 25·23	...	2·5438	·015	...	49 20 42·4	...	18·855	·13	...	3	9·71	49.179
448	9·2	19 37·23	...	2·5792	·014	...	47 18 31·1	...	18·849	·14	...	3	8·77	47.159
449	9·0*	20 8·66	−0·04	2·6461	·013	−0·013	42 56 48·3	−0·2	18·834	·14	−0·07	5	6·86	43.164
450	8·0	20 15·03	−0·01	2·5934	·014	−0·005	46 14 34·4	0·0	18·830	·14	+0·04	3	8·80	46.146
451	10·2	1 20 15·83	...	+2·5162	−0·015	...	−50 29 28·7	...	+18·830	−0·13	...	3	9·88	50.192
452	7·0	20 21·36	0·00	2·6126	·013	−0·003	45 2 57·0	0·0	18·827	·14	−0·03	5	8·80	45.157
453	9·0	20 26·50	...	2·6394	·013	...	43 17 8·9	...	18·825	·14	...	5	7·11	43.165
454	8·7	20 27·69	+0·02	2·6807	·011	+0·007	40 26 34·3	−0·1	18·824	·14	−0·03	5	7·84	40.132
455	8·9	20 36·33	+0·01	2·6835	·011	+0·006	40 11 6·3	0·0	18·820	·14	+0·01	4:5	7·86	40.133
456	9·8	1 21 1·41	...	+2·6323	−0·013	...	−43 33 47·0	...	+18·807	−0·14	...	5	7·68	43.167
457	10·0	21 3·59	...	2·4934	·015	...	51 21 20·8	...	18·806	·13	...	3	9·73	51.197
458	8·5	21 13·40	0·00	2·4831	·016	−0·001	51 47 46·6	0·0	18·801	·13	+0·03	3	9·75	51.198
459	9·1	21 15·00	...	2·5616	·014	...	47 44 51·0	...	18·800	·14	...	3	8·77	47.164
460	7·9	21 42·40	...	2·5467	·014	...	48 24 55·3	...	18·786	·14	...	3	9·81	48.165
461	7·5	1 22 17·85	+0·01	+2·6640	−0·011	+0·004	−41 0 9·1	0·0	+18·768	−0·14	0·00	13	7·19	41.133
462	9·4	22 22·05	0·00	2·5074	·015	−0·002	50 14 24·9	0·0	18·766	·14	+0·05	3	9·76	50.194
463	6·5*	22 33·71	0·00	2·6441	·012	+0·001	42 15 57·7	0·0	18·760	·14	0·00	5	6·91	42.139
464	8·5	22 48·48	−0·02	2·6504	·012	−0·009	41 46 3·9	0·0	18·752	·14	0·00	5	7·65	41.135
465	9·6	23 11·51	−0·01	2 6067	·013	−0·012	44 27 0·4	−0·1	18·741	·14	−0·11	3	8·80	44.178
466	7·1	1 23 12·40	−0·01	+2·5746	−0·013	−0·008	−46 21 55·6	0·0	+18·740	−0·14	+0·04	3	8·77	46.154
467	8·1	23 18·65	0·00	2·5686	·014	0·000	46 40 13·1	0·0	18·737	·14	+0·01	3	8·76	46.155
468	8·4	23 25·45	0·00	2·5246	·014	+0·001	49 1 22·7	0·0	18·733	·14	+0·02	3	9·72	49.185
469	9·1	23 48·18	...	2·5845	·013	...	45 35 45·5	...	18·721	·14	...	3	8·77	45.163
470	7·5	24 8·32	0·00	2·5103	·014	−0·004	49 31 26·8	0·0	18·711	·14	−0·02	3	9·79	49.188
471	8·0	1 24 21·26	0·00	+2·6109	−0·012	0·000	−43 49 23·4	−0·1	+18·704	−0·15	−0·02	8	7·16	43.173
472	8·5	24 32·93	0·00	2·6510	·011	−0·001	41 9 53·9	+0·1	18·698	·15	+0·02	5	7·26	41.137
473	9·0	24 55·86	...	2·6310	·012	...	42 20 57·1	...	18·686	·15	...	5	7·85	42.142
474	9·0	25 10·46	...	2·5246	·014	...	48 27 23·7	...	18·678	·14	...	3	9·71	48.171
475	9·3	25 16·42	0·00	2·5809	·013	+0·004	45 19 34·0	0·0	18·675	·15	+0·01	3	8·84	45.165
476	7·2	1 25 16·47	−0·01	+2·5464	−0·013	−0·008	−47 16 25·0	0·0	+18·675	−0·14	+0·03	3	8·71	47.169
477	8·7	25 20·70	+0·02	2·6441	·011	+0·007	41 21 51·8	+0·1	18·673	·15	+0·04	5	7·47	41.140
478	9·4	25 24·50	...	2·4724	·014	...	50 57 9·5	...	18·671	·14	...	3	9·86	51.206
479	8·8	25 44·81	0·00	2·5130	·014	+0·011	48 52 10·0	0·0	18·660	·14	−0·01	3	9·87	49.195
480	9·5*	26 10·05	−0·01	2·6111	·012	−0·004	43 13 21·1	−0·1	18·646	·15	−0·03	5	6·88	43.178

446. $7^m·0$, $12^m·0$ 4″·5 240° Comes not noted.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
481	8·9	1 26 50·24	...	+2·5276	−0·013	...	−47 46 46·0	...	+18·625	−0·14	...	3	8·80	47.173
482	9·3	26 55·33	0·00	2·5436	·013	−0·003	46 54 26·7	−0·1	18·622	·15	−0·05	4	8·81	47.174
483	8·5	26 56·21	0·00	2·4451	·014	+0·010	51 43 43·8	0·0	18·622	·14	−0·11	3	9·64	51.209
484	4·0*	27 5·30	0·00	2·4901	·014	+0·011	49 35 32·6	0·0	18·617	·14	+0·14	3	9·84	49.198
485	7·4	27 10·22	0·00	2·4723	·014	−0·007	50 25 1·4	0·0	18·614	·14	−0·08	3	9·87	50.202
486	8·3	1 27 13·69	+0·01	+2·5869	−0·012	+0·006	−44 21 41·0	0·0	+18·612	−0·15	−0·02	3	8·77	44.182
487	6·0*	27 24·16	0·00	2·5557	·013	−0·004	46 5 26·5	0·0	18·607	·15	0·00	3	8·88	46.161
488	8·0	27 59·39	−0·02	2·6213	·011	−0·006	42 1 13·5	−0·1	18·587	·15	−0·04	10	7·39	42.143
489	9·0*	28 13·65	−0·02	2·6465	·010	−0·005	40 18 52·8	−0·1	18·580	·15	−0·04	5	6·88	40.137
490	8·3	28 24·73	0·00	2·4722	·013	+0·010	50 2 26·1	0·0	18·574	·14	−0·05	5	9·66	50.204
491	8·6	1 28·25·07	−0·03	+2·6232	−0·011	−0·011	−41 46 4·4	−0·1	+18·573	−0·15	−0·04	5	7·65	41.148
492	8·5	28 28·03	−0·01	2·5648	·012	−0·004	45 15 9·4	0·0	18·572	·15	+0·03	3	8·71	45.173
493	8·5	28 30·36	...	2·4907	·013	...	49 7 31·4	...	18·570	·15	...	3	9·79	49.200
494	9·5	28 38·84	...	2·5423	·012	...	46 25 41·3	...	18·566	·15	...	3	8·84	46.164
495	8·4	29 5·82	−0·01	2·5131	·013	−0·011	47 49 31·2	+0·2	18·551	·15	+0·16	3	8·84	47.177
496	9·6†	1 29 15·56	...	+2·6063	−0·011	...	−42 33 57·1	...	+18·546	−0·15	...	5	6·92	42.145
497	9·2	29 23·04	...	2·4979	·013	...	48 30 30·2	...	18·541	·15	...	3	9·79	48.179
498	8·6	29 36·22	0·00	2·5655	·012	−0·001	44 51 40·3	−0·1	18·534	·15	−0·08	3	8·71	44.188
499	8·3	29 38·41	0·00	2·4451	·013	−0·001	50 54 53·2	0·0	18·533	·14	+0·04	5	9·71	51.218
500	9·4	29 45·59	...	2·5840	·011	...	43 45 15·1	...	18·529	·15	...	5	7·83	43.183
501	9·3	1 29 51·00	0·00	+2·5717	−0·012	−0·001	−44 26 28·6	0·0	+18·526	−0·15	+0·03	3	8·84	44.189
502	8·5*	29 58·37	+0·04	2·6369	·010	+0·014	40 24 51·7	−0·2	18·522	·16	−0·06	5	6·90	40.139
503	9·9	30 6·37	...	2·4700	·013	...	49 38 3·1	...	18·517	·15	...	3	9·87	49.203
504*	7·8	30 6·41	+0·01	2·5383	·012	+0·009	46 12 21·0	+0·1	18·517	·15	+0·09	3	8·84	46.166
505	9·0*	30 7·87	+0·01	2·6217	·010	+0·003	41 20 37·9	0·0	18·516	·15	+0·01	5	6·91	41.151
506	9·6	1 30 13·43	...	+2·5901	−0·011	...	−43 15 4·0	...	+18·513	−0·15	...	5	7·87	43.184
507	8·8	30 30·10	0·00	2·4229	·013	−0·001	51 37 57·3	0·0	18·504	·14	−0·05	3	9·71	51.219
508	8·3	30 41·66	0·00	2·4514	·013	+0·001	50 18 56·6	0·0	18·498	·15	−0·03	3	9·87	50.213
509	9·6	30 44·29	...	2·6026	·011	...	42 20 47·6	...	18·496	·15	...	5	7·83	42.147
510	9·0*	31 11·25	−0·04	2·5921	·011	−0·012	42 50 13·0	−0·2	18·481	·15	−0·06	5	6·87	42.148
511	7·5*	1 31 15·68	+0·01	+2·6321	−0·010	+0·002	−40 20 58·6	0·0	+18·478	−0·16	0·00	5	6·92	40.140
512	8·0	31 32·80	−0·01	2·5790	·011	−0·002	43 30 33·9	−0·3	18·469	·15	−0·10	5	7·29	43.186
513	9·1	31 53·77	...	2·5580	·011	...	44 36 0·9	...	18·457	·15	...	3	8·71	44.198
514	8·0	32 3·15	−0·01	2·6048	·010	−0·003	41 49 5·8	−0·1	18·451	·16	−0·05	5	7·26	41.154
515	8·7	32 27.69	−0·01	2·5419	·011	−0·006	45 18 56·4	0·0	18·437	·15	+0·03	3	8·82	45.182
516	7·0*	1 32 42·89	0·00	+2·4604	−0·012	−0·007	−49 18 53·1	0·0	+18·429	−0·15	+0·02	3	9·61	49.210
517	8·8*	32 46·03	−0·01	2·5834	·011	−0·002	42 53 50·6	0·0	18·427	·16	0·00	5	6·89	43.187
518	7·8	33 1·56	...	2·4695	·012	...	48 47 53·4	...	18·418	·15	...	3	9·71	48.186
519	9·3	33 22·61	0·00	2·3956	·013	−0·004	51 56 59·0	0·0	18·406	·15	−0·11	6	9·88	52.201
520	8·3	33 23·29	−0·01	2·4919	·012	−0·009	47 37 15·6	−0·1	18·405	·15	−0·07	3	8·71	47.187

504. $7^m·9$, $10^m·7$ 1″·8 13° Not separated.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
521	9·1	1 33 32·77	...	+2 4451	−0·012	...	−49 46 34·8	...	+18·400	−0·15	...	3	9·78	49.215
522	7·3	33 52·75	0·00	2·5095	·012	+0·001	46 35 35·1	0·0	18·388	·15	−0·01	3	8·82	46.170
523	9·5	34 0·81	...	2·6005	·010	...	41 30 55·9	...	18·384	·16	...	5	7·01	41.157
524	9·0	34 3·14	0·00	2·6232	·009	−0·001	40 6 42·0	+0·1	18·382	·16	+0·06	5	7·85	40.149
525	7·5	34 9·47	...	2·4703	·012	...	48 26 38·2	...	18·379	·15	...	3	9·71	48.189
526	7·0	1 34 14·86	−0·03	+2·5666	−0 010	−0·009	−43 26 8·6	−0·1	+18·375	−0·16	−0·03	5	7·09	43.189
527	9·8	34 26·65	...	2·4935	·011	...	47 14 22·4	...	18·369	·15	...	3	8·88	47·191
528*	8·3	34 29·40	−0·01	2·5348	·011	−0·004	45 6 13·3	+0·1	18·367	·16	+0·07	3	8·71	45.186
529	8·3	34 47·31	0·00	2 5105	·011	+0·004	46 16 57·4	0·0	18·356	·16	−0·01	3	8·84	46.173
530	9·4	34 59·48	...	2·5881	·010	...	41 59 18·7	...	18·349	·16	...	5	7·28	42.155
531	8·9	1 35 0·96	−0·01	+2·4760	−0·012	−0·010	−47 55 19·2	−0·1	+18·348	−0·15	−0·12	3	8·84	48.194
532	10·2	35 29·42	...	2 4222	·012	...	50 14 24·5	...	18·332	·15	...	3	9·79	50.223
533	9·5	35 35·08	...	2·5981	·010	...	41 13 1·8	...	18·328	·16	...	5	7·11	41.162
534	8·8	35 38·08	0·00	2·4598	·012	+0·002	48 30 59·4	0·0	18·327	.15	−0·08	3	9·85	48.195
535	7·1	36 2·82	0·00	2·4408	·012	−0·002	49 16 4·1	0·0	18·312	·15	0·00	3	9·86	49.223
536	8·8	1 36 13·20	0·00	+2·5172	−0·011	+0·002	−45 32 32·5	−0·1	+18·306	−0·16	−0·05	3	8·71	45.189
537	9·1†	36 17·73	...	2·5529	·010	...	43 36 53·0	...	18·303	·16	...	5	6·90	43.191
538	9·4	36 49·89	0·00	2·5360	·010	+0 002	44 22 59·6	0·0	18·284	·16	−0·01	3	8·82	44.211
539	8·8*	37 19·06	−0·01	2·5953	·009	−0·002	40 54 32·2	−0·3	18·267	·16	−0·11	5	6·90	41.164
540	9·1	37 21·89	−0·04	2·5034	·011	−0·032	45 55 27·6	0·0	18·265	·16	−0·03	3	8·81	46.177
541	8·1	1 37 26·26	...	+2·4912	−0·011	...	−46 30 45·7	...	+18·262	−0·16	...	3	8·77	46.178
542	7 1	37 41·79	0·00	2·4009	·012	−0·005	50 32 35·8	0·0	18·253	·15	−0·02	3	9·76	50.228
543	8·0	37 45·14	+0·02	2·5810	·009	+0·007	41 37 21·0	−0·1	18·251	·16	−0·05	5	7·29	41.165
544	9·6	37 48·21	...	2·4510	·011	...	48 19 10·7	...	18·249	·16	...	3	9·86	48.201
545	9·8	37 50·59	...	2·3772	·012	...	51 28 15·8	...	18·248	·15	...	3	9·88	51.229
546	9·6	1 37 52·69	...	+2·4247	−0·011	...	−49 28 30·8	...	+18·246	−0·15	...	3	9·88	49.228
547	9·4	38 17·08	0·00	2·4724	·011	0·000	47 11 7·0	−0·1	18·232	·16	−0·07	3	8·82	47.199
548	8·0*	38 26·50	−0·01	2·5685	·009	−0·003	42 9 2·7	0·0	18·226	·16	0·00	5	6·89	42.159
549	9·2	38 40·57	...	2·5069	·010	...	45 23 18·0	...	18·217	·16	...	3	8·71	45.195
550	9·3	39 44·13	0·00	2·5166	·010	+0·003	44 36 48·6	−0·1	18·178	·16	−0·09	3	8·80	44.213
551	9·6†	1 39 59·06	...	+2·5502	−0·009	...	−42 45 36·8	...	+18·169	−0·17	...	5	6·91	42.161
552	9·6	40 4·32	...	2·5901	·009	...	40 27 50·1	...	18·166	·17	...	5	7·84	40.153
553	10·0	40 10·64	0·00	2·4470	·011	+0·003	47 51 15·9	0·0	18·162	·16	−0·03	3	8·88	47.204
554	9·0	40 14·78	+0·01	2·4838	·010	+0·005	46 6 54·4	0·0	18·160	·16	+0·01	3	8·73	46.183
555	8·6	40 16·96	0·00	2·3828	·011	−0·008	50 36 5·4	0·0	18·158	·15	−0·04	3	9·76	50.238
556	10·1	1 40 24 08	...	+2·4272	−0·011	...	−48 41 22·9	...	+18·154	−0·16	...	3	9·87	48.206
557	8·4	40 43·03	0·00	2·3569	·011	+0·004	51 31 21·4	0·0	18·142	·15	+0·01	3	9·87	51.233
558	8·4	40 47 07	0·00	2·3945	·011	−0·004	49 59 29·8	0·0	18·140	·16	−0·07	3	9·89	50.239
559	8·5	41 11·12	0·00	2·4896	·010	+0·002	45 34 53·4	−0·1	18·125	·16	−0·10	3	8·72	45.197
560	9·8	41 29·29	...	2·4012	·011	...	49 31 34·2	...	18·113	·16	...	3	9·76	49.232

528 $9^m·0$, $9^m·1$ 1″·1 38° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
561	9·0*	1 41 54·08	0·00	+2·5770	−0·009	−0·001	−40 44 58·8	+0·2	+18·098	−0·17	+0·08	5	6·89	40.154
562	8·5	42 4·75	0·00	2·4804	·010	0·000	45 47 25·7	−0·1	18·091	·16	−0·05	3	8·84	45.198
563	9·2	42 9·63	−0·01	2·4447	·010	−0·009	47 26 47·0	−0·1	18·088	·16	−0·08	3	8·72	47.206
564	6·0*	42 10·74	0·00	2·3525	·011	+0·002	51 18 58·2	0·0	18·087	·16	−0·03	4	9·74	51.235
565	9·3	42 11·15	...	2·4888	·010	...	45 21 15·5	...	18·087	·16	...	3	8·82	45.199
566	8·1	1 42 28·85	0·00	+2·5178	−0·009	−0·001	−43 49 10·0	−0·1	+18·076	−0·17	−0·02	5	7·48	43.201
567	7·5	42 32·83	0·00	2·5402	·009	+0·001	42 37 52·2	−0·2	18·073	·17	−0·08	5	7·86	42.169
568	9·2	42 50·04	0·00	2·3668	·010	−0·001	50 35 15·9	0·0	18·062	·16	−0·12	3	9·84	50.242
569	8·4	42 51·23	0·00	2·3777	·010	−0·093	50 8 45·3	0·0	18·062	·16	+0·01	3	9·87	50.243
570	9·5	42 53·88	...	2·5602	·009	...	41 27 0·9	...	18·060	·17	...	5	7·50	41.168
571	6·5*	1 43 2·55	0·00	+2·5447	−0·009	−0·001	−42 15 38·3	+0·1	+18·055	−0·17	+0·03		7·09	42.170
572	7·2	43 5·83	−0·01	2·5277	·009	−0·007	43 8 17·3	0·0	18·053	·17	−0·02		7·88	43.202
573	9·4	43 18·01	...	2·3802	·010	...	49 55 36·5	...	18·045	·16	...	3	9·62	50.247
574	9·0	43 20·43	0·00	2·4089	·010	+0·003	48 43 25·9	0·0	18·043	·16	−0·04	3	9·87	48.208
575	8·8	43 29·76	−0·01	2·5817	·008	−0·003	40 4 22·3	0·0	18·037	·17	−0·01	5	7·68	40.156
576*	7·9	1 43 30·51	0·00	+2·4997	−0·009	−0·004	−44 28 10·5	0·0	+18·037	−0·17	−0·02	3	8·86	44.220
577	8·5	43 31·72	0·00	2·5519	·009	−0·001	41 44 9·2	−0·1	18·036	·17	−0·05	5	7·68	41.169
578	7·5	43 32·65	−0·01	2·4518	·010	−0·006	46 45 21·5	0·0	18·035	·16	−0·02	3	8·72	46.185
579	8·8	43 42·50	...	2·4625	·010	...	46 12 59·3	...	18·029	·16	...	3	8·88	46.187
580	8·6	43 46·74	0·00	2·4029	·010	−0·004	48 51 45·5	0·0	18·026	·16	−0·15	3	9·84	48.210
581	8·8†	1 44 35·27	...	+2·5089	−0·009	...	−43 43 59·9	...	+17·995	−0·17	...	5	6·89	43.203
582	9·0	44 38·03	...	2·4339	·010	...	47 17 39·5	...	17·994	·16	...	3	8·72	47.208
583	8·0	45 8·58	0·00	2·4858	·009	+0·003	44 44 18·8	0·0	17·974	·17	+0·02	3	8·86	44.225
584	9·2	45 37·76	0·00	2·4716	·009	−0·002	45 17 58·5	0·0	17·955	·17	−0·02	3	8·72	45.200
585	9·1	45 40·15	0·00	2·3447	·010	−0·001	50 44 46·6	0·0	17·953	·16	−0·09	3	9·62	50.252
586	8·9	1 46 11·29	...	+2·3901	−0·010	...	−48 47 55·1	...	+17·933	−0·16	...	3	9·86	48.216
587	6·0*	46 19·42	0·00	2·4009	·009	+0·011	48 18 49·0	0·0	17·928	·16	+0·05	3	9·78	48.217
588	9·6	46 46·20	...	2·4058	·009	...	47 59 30·0	...	17·911	·17	...	3	8·82	48.218
589	8·9	46 59·75	0·00	2·4789	·009	−0·004	44 36 35·7	0·0	17·902	·17	+0·01	3	8·77	44.227
590	9·3	47 3·97	...	2·3248	·010	...	51 9 32·9	...	17·899	·16	...	3	9·62	51.249
591	9·3	1 47 9·83	...	+2·5220	−0·008	...	−42 25 19·7	...	+17·895	−0·17	...	5	7·12	42.175
592	6·5	47 10·52	0·00	2·5611	·008	0·000	40 19 47·8	−0·1	17·895	·18	−0·04	5	7·30	40.161
593	9·6	47 12·54	...	2·5331	·008	...	41 49 12·8	...	17·893	·17	...	5	7·87	41.172
594	8·4	47 40·89	+0·01	2·5439	·008	+0·003	41 8 43·4	0·0	17·874	·18	+0·01	5	7·87	41.174
595	8·8	47 48·94	−0·01	2·4392	·009	−0·011	46 15 50·0	−0·1	17·869	·17	−0·05	3	8·82	46.191
596	8·0	1 47 55·46	0·00	+2·3371	−0·009	−0·001	−50 29 17·7	0·0	+17·865	−0·16	−0·03	3	9·77	50.268
597	8·0	47 57·03	0·00	2·5604	·008	−0·002	40 10 1·9	−0·1	17·864	·18	−0·05	5	7·65	40.164
598	8·0	48 0·54	−0·01	2·4185	·009	−0·009	47 8 5·8	0·0	17·862	·17	−0·04	3	8·77	47.214
599	9·2	48 5·77	+0·01	2·4815	·008	+0·005	44 12 39·2	+0·1	17·858	·17	+0·05	3	8·91	44.228
600	9·3	48 25·87	...	2·3677	·009	...	49 9 44·5	...	17·845	·17	...	3	9·62	49.244

576. $8^m·4$, $8^m·9$. 0″·6. 180° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
601	9·0	1 48 33·16	...	+2·3454	−0·009	...	−50 0 57·0	...	+17·840	−0·16	...	3	9·87	50.271
602	9·0	48 38·55	...	2·3906	·009	...	48 10 26·9	...	17·836	·17	...	3	9·89	48.221
603	9·5	48 46·29	−0·01	2·4906	·008	−0·005	43 36 6·0	−0·2	17·831	·17	−0·07	5	7·12	43.207
604	10·0	49 14·98	...	2·4575	·009	...	45 4 45·3	...	17·812	·17	...	3	8·86	45.201
605	9·4	49 17·47	...	2·3760	·009	...	48 37 26·4	...	17·810	·17	...	3	9·77	48.222
606	9·1	1 49 21·83	...	+2·4825	−0·008	...	−43 51 32·3	...	+17·807	−0·17	...	5	7·66	43.208
607	4·5*	49 38·26	−0·01	2·4174	·009	−0·011	46 47 32·3	−0·1	17·796	·17	−0·09	3	8·74	46.195
608	9·4	49 49·60	0·00	2·3017	·009	+0·002	51 21 7·6	0·0	17·789	·16	−0·05	3	9·62	51.254
609	5·5*	50 13·08	−0·02	2·4962	·008	−0·006	42 59 15·3	−0·2	17·773	·18	−0·05	5	6·90	43.209
610	8·0	50 18·17	0·00	2·4213	·009	0·000	46 27 36·2	0·0	17·770	·17	−0·03	3	8·85	46.196
611	9·8	1 50 34·98	...	+2·4032	−0·009	...	−47 10 17·6	...	+17·758	−0·17	...	3	8·86	47.218
612	8·5	50 46·03	+0·01	2·5236	·008	+0·002	41 27 33·6	−0·1	17·751	·18	−0·03	5	7·29	41.176
613	10·0	51 21·56	...	2·2759	·009	...	51 54 44·0	...	17·727	·16	...	3	9·78	52.238
614	9·4	51 35·30	0·00	2·4613	·008	+0·004	44 20 23·8	0·0	17·717	·18	−0·03	3	8·81	44.230
615	9·8	51 37·55	...	2·3036	·009	...	50 51 44·2	...	17·716	·16	...	3	9·70	50.276
616	9·0*	1 51 38·07	+0·05	+2·5076	−0·008	+0·015	−42 4 39·1	−0·8	+17·715	−0·18	−0·27	5	6·91	42.181
617	9·5	51 38·69	...	2·5446	·007	...	40 9 29·5	...	17·715	·18	...	5	7·66	40.168
618	9·1	51 43·28	...	2·4775	·008	...	43 32 13·7	...	17·712	·18	...	5	7·30	43.211
619	9·4	51 51·48	+0·01	2·4503	·008	+0·008	44 46 50·4	0·0	17·706	·17	−0·01	3	8·87	44.231
620	9·8	52 10·89	...	2·4191	·008	...	46 6 53·4	...	17·693	·17	...	3	8·91	46.198
621	9·1	1 52 11·17	0·00	+2·3563	−0·008	−0·004	−48 43 34·7	0·0	+17·693	−0·17	−0·02	3	9·88	48.225
622	6·5*	52 18·26	0·00	2·3140	·008	−0·001	50 19 33·3	0·0	17·688	·17	+0·01	3	9·77	50.277
623*	9·5	52 30·07	...	2·4877	·008	...	42 51 40·7	...	17·680	·18	...	5	7·68	42.183
624	8·8	52 32·19	+0·01	2·4353	·008	+0·007	45 18 34·1	0·0	17·678	·18	+0·01	3	8·82	45.203
625	8·0*	52 43·20	0·00	2·4699	·008	0·000	43 39 59·2	−0·2	17·671	·18	−0·07	5	6·90	43.213
626	8·5	1 52 49·34	0·00	+2·3224	−0·008	+0·015	−49 53 35·0	0·0	+17·666	−0·17	−0·25	3	9·87	50.279
627	9·8	52 51·59	...	2·3306	008	...	49 34 10·3	...	17·665	·17	...	3	9·69	49.249
628	8·9	53 3·54	−0·01	2·4624	·008	−0·007	43 56 24·2	0·0	17·657	·18	+0·02	5	7·86	44.232
629	5·0*	53 12·26	+0·01	2·3718	·008	+0·009	47 52 24·7	0·0	17·651	·17	+0·02	5	8·81	47.221
630	8·0	53 20·62	−0·01	2·5185	·007	−0·005	41 7 27·7	0·0	17·645	·18	+0·01	5	7·13	41.178
631	9·3	1 53 25·81	0·00	+2·3390	−0·008	−0·001	−49 6 58·0	0·0	+17·641	−0·17	−0·05	3	9·69	49.253
632	7·0*	54 17·30	+0·01	2·5038	·007	+0·002	41 39 21·7	−0·1	17·605	·18	−0·03	5	6·89	41.179
633	9·9	54 30·96	...	2·3548	·008	...	48 15 13·3	...	17·596	·17	...	3	9·62	48.229
634	9·3	54 33·24	...	2·2693	·008	...	51 25 11·0	...	17·594	·17	..	3	9·86	51.261
635	7·5*	54 50·56	−0·01	2·4647	·007	−0·003	43 26 6·3	−0·1	17·582	·18	−0·04	5	6·93	43.216
636	9·6	1 54 54·68	0·00	+2·3815	−0·008	−0·001	−47 4 46·8	0·0	+17·579	−0·17	−0·02	3	8·82	47.222
637	9·2	54 56·75	+0·01	2·4430	·008	+0·008	44 24 23·6	0·0	17·578	·18	+0·04	3	8·87	44.234
638	8·3	55 16·85	+0·01	2·4228	·008	+0·006	45 13 42·7	+0·1	17·564	·18	+0·12	3	8·89	45.204
639	9·1	55 21·99	...	2·5288	·007	...	40 8 5·6	...	17·560	·19	...	5	7·86	40.169
640	9·1	55 24·66	0·00	2·2863	·008	+0·001	50 37 43·5	0·0	17·558	·17	−0·21	3	9·79	50.287

623. $10^m·1$, $10^m·5$. 3″·3. 95° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
641	9·6	1 55 30·29	...	+2·2518	−0·008	...	−51 48 42·9	...	+17·554	−0·17	...	3	9·87	51.263
642	6·0	55 31·51	−0·01	2·4806	·007	−0·007	42 30 46·3	−0·2	17·554	·18	−0·11	5	7·88	42.186
643	9·9	55 38·74	...	2·3587	·008	...	47 50 27·0	...	17·548	·17	...	3	8·86	47.223
644	8·7	55 38·94	0·00	2·3856	·008	−0·002	46 44 53·4	0·0	17·548	·18	−0·01	3	8·79	46.199
645	7·8	55 46·52	+0·01	2·3256	·008	+0·021	49 5 54·5	0·0	17·543	·17	−0·02	3	9·70	49.256
646	9·7†	1 56 11·99	...	+2·4491	−0·007	...	−43 50 55·9	...	+17·525	−0·18	...	5	6·93	...
647	7·0*	56 18·05	+0·11	2·5036	·007	+0·034	41 12 11·3	−1·4	17·521	·18	−0·44	5	6·89	41.183
648	9·0*	56 26·17	−0·01	2·5239	·006	−0·004	40 8 55·8	−0·1	17·515	·19	−0·04	5	7·86	40.171
649	8·9	56 40·93	...	2·4703	·007	...	42 44 29·2	...	17·504	·18	...	5	7·88	42.189
650*	8·5	56 49·77	+0·01	2·4256	·007	+0·004	44 18 48·1	−0·1	17·498	·18	−0·08	3	8·72	44.235
651	9·5	1 57 16·59	...	+2·3423	−0·008	...	−48 7 15·7	...	+17·479	−0·17	...	3	9·62	48.234
652	5·7*	57 41·85	0·00	2·4112	·007	−0·004	45 11 41·1	−0·1	17·461	·18	−0·05	3	8·76	45.209
653	8·0	58 8·07	0·00	2·2700	·007	+0·002	50 36 37·5	0·0	17·442	·17	+0·03	3	9·77	50.291
654	10·1	58 9·44	...	2·3201	·007	...	48 47 6·3	...	17·441	·17	...	3	9·88	48.235
655	7·9	58 12·25	0·00	2·3821	·007	0·000	46 19 3·0	0·0	17·439	·18	−0·01	3	8·82	46.202
656	7·8*	1 58 21·08	−0·02	+2·4987	−0·006	−0·006	−41 0 6·6	−0·1	+17·433	−0·19	−0·03	5	6·91	41.186
657	7·0	58 26·91	0·00	2·2883	·007	−0·008	49 53 26·1	0·0	17·429	·17	−0·02	3	9·62	50.292
658	8·4	58 30·34	0·00	2·3019	·007	+0·002	49 23 8·9	0·0	17·426	·17	0·00	3	9·87	49.263
659	8·3	58 30·41	0·00	2·2572	·007	+0·007	50 58 29·3	0·0	17·426	·17	−0·03	3	9·89	51.266
660	8·5*	58 34·81	+0·04	2·4890	·006	+0·014	41 25 50·3	−0·2	17·423	·19	−0·06	5	6·91	41.187
661	10·0	1 58 57·71	...	+2·4391	−0·007	...	−43 41 30·7	...	+17·406	−0·18	...	5	7·87	...
662	9·3	59 8·20	0·00	2·4292	·007	0·000	44 5 20·3	0·0	17·399	·18	−0·01	3	8·81	44.238
663	9·2	59 8·78	0·00	2·5032	·006	−0·001	40 36 20·8	−0·1	17·398	·19	−0·04	5	7·50	40.179
664	9·9	59 34·41	...	2·3442	·007	...	47 32 32·0	...	17·380	·18	...	3	8·88	47.224
665	8·5	59 58·42	0·00	2·4164	·007	+0·001	44 28 52·2	0·0	17·362	·18	+0·02	3	8·75	44.239
666	9·1	2 0 9·37	+0·01	+2·3585	−0·007	+0·010	−46 51 23·5	+0·1	+17·354	−0·18	+0·12	3	8·84	46.205
667	9·5*	0 20·13	0·00	2·4576	·006	+0·001	42 32 51·3	−0·2	17·346	·19	−0·08	5	6·89	42.192
668	9·3	0 35·68	0·00	2·2244	·007	+0·001	51 37 51·8	0·0	17·335	·17	−0·09	3	9·61	51.270
669	8·8	0 56·65	0·00	2·2887	·007	+0·004	49 20 31·4	0·0	17·320	·18	−0·04	3	9·78	49.267
670	9·4†	1 3·87	...	2·4341	·007	...	43 27 38·0	...	17·314	·19	...	5	6·94	43.220
671	8·9	2 1 10·88	0·00	+2·4397	−0·006	+0·001	−43 11 32·1	0·0	+17·309	−0·19	0·00	5	7·67	43.221
672	8·7	1 14·46	+0·02	2·4908	·006	+0·011	40 45 58·3	−0·1	17·307	·19	−0·03	5	7·88	40.183
673	8·0	1 20·79	0·00	2·2632	·007	+0·001	50 9 38·9	0·0	17·302	·17	+0·04	3	9·87	50.299
674	8·5	1 35·93	+0·02	2·4709	·006	+0·006	41 39 29·9	+0·1	17·291	·19	+0·02	5	7·09	41.192
675	8·0	1 40·15	0·00	2·2948	·007	−0·005	48 58 6·8	0·0	17·288	·18	−0·05	5	9·62	49.268
676	7·5	2 2 4·37	−0·01	+2·5027	−0·006	−0·002	−40 0 56·6	0·0	+17·270	−0·19	−0·01	10	7·22	40.185
677	9·6	2 12·61	0·00	2·3775	·007	−0·004	45 38 34·8	0·0	17·264	·18	+0·03	3	8·81	45.214
678	9·1	2 22·47	...	2·3636	·007	...	46 10 22·4	...	17·256	·18	...	3	8·88	46.208
679	9·9	2 24·79	...	2·3334	·007	...	47 21 36·2	...	17·255	·18	...	3	8·90	47.228
680	9·0	2 47·79	−0·01	2·3385	·007	−0·008	47 5 0·7	−0·1	17·237	·18	−0·05	3	8·81	47.229

650. 8m·9, 9m·9 0″·9 25° Mass observed.

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
681	9·1	2 3 4·18	...	+2·2992	−0·006	...	−48 30 48·9	...	+17·225	−0.18	...	3	9·78	48.246
682	9·3	3 12·28	0·00	2 2434	·006	−0.006	50 27 20·0	0·0	17·219	·17	−0·02	3	9·70	50.304
683	8·5	3 17·61	0·00	2·2230	·006	+0·001	51 7 0·9	0·0	17·215	·17	−0·01	3	9·69	51.275
684	9·3	3 56·54	0·00	2·1945	·006	−0·009	51 54 36·6	0·0	17·186	·17	−0·09	3	9·86	52.268
685	6·5*	4 1·57	−0·01	2·4447	·006	−0·004	42 21 17·3	−0·1	17·182	·19	−0·03	5	6·88	42.199
686	9·4	2 4 5·34	+0·01	+2·3877	−0·006	+0·006	−44 49 44.5	−0·1	+17·179	−0·19	−0·09	3	8·81	44.242
687	9·1	4 12·51	0·00	2·2626	·006	−0·001	49 35 19·3	0·0	17·174	·18	−0·11	3	9·62	49.273
688	9·0	4 37·84	...	2·4106	·006	...	43 44 28·2	...	17 155	·19	...	5	7·86	43.225
689	9·5	5 5·39	...	2·3082	·006	...	47 45 48·9	...	17·134	·18	...	3	8·84	47.233
690	8·8	5 7·58	−0·01	2·3322	·006	−0·011	46 50 33·6	−0·1	17·133	·18	−0·07	3	8·87	46.211
631	10·0	2 5 13·26	...	+2·2360	−0·006	...	−50 17 49·3	...	+17·128	−0·18	..	3	9·70	50.307
692	9·7	5 17·13	...	2·4804	·005	...	40 26 5·5	...	17·125	·19	...	5	7·50	40.187
693	8·6	5 24·75	+0·01	2·4493	·006	+0·003	41 51 41·4	0·0	17·119	·19	−0·01	7	7·35	41.194
694	7·5	5 38·35	0·00	2·3526	·006	+0·003	45 56 18·7	−0·1	17·109	·19	−0·05	5	8·91	46.213
695	6·5	5 42·35	+0·01	2·4593	·006	+0·002	41 20 18·7	−0·1	17·106	·19	−0·03	5	7·49	41.195
696	9·1	2 5 42·49	...	+2·3385	−0·006	...	−46 28 45·1	...	+17·106	−0·19	...	3	8·89	46.215
697	8·0	5 51·04	0·00	2·2678	·006	+0·004	49 4 18·7	0·0	17·100	·18	−0·01	3	9·61	49.279
698	6·5*	6 5·47	0·00	2·3908	·006	+0·002	44 17 15·1	0·0	17·089	·19	−0·02	3	8·74	44.247
699	9·3	6 17·10	...	2·4679	·005	...	40 49 39·5	...	17·080	·20	...	5	7·27	40.188
700	8·3	6 22·72	−0·01	2·3447	·006	−0·012	46 5 52·1	0·0	17·075	·19	0·00	3	8·85	46.216
701	6·5*	2 6 23·70	+0·05	+2·1978	−0·006	+0·226	−51 18 51·3	+0·1	+17·075	−0·18	+0·66	3	9·78	51.282
702	9·4	6 38·28	...	2·3643	·006	...	45 16 8·0	...	17·063	·19	...	3	8·89	45.217
703	9·5*	6 42·52	0·00	2·4206	·006	0·000	42 53 27·1	−0·2	17·060	·19	−0·07	5	6·92	43.232
704	8·0	6 45·46	...	2·2770	·006	...	48 33 56·0	...	17·058	·18	...	3	9·79	48.250
705	8·8	6 49·38	0·00	2·2539	·006	−0·003	49 21 40·8	0·0	17·055	·18	+0·09	3	9·87	49.280
706	8·5	2 7 32·28	+0·01	+2·3459	−0·006	+0·010	−45 49 19·7	+0·1	+17·022	−0·19	+0·05	3	8·87	45.219
707	9·5*	7 33·45	−0·01	2·4291	·005	−0·004	42 20 23·2	−0·1	17·021	·19	−0·04	5	6·92	42.201
708	9·0	7 35·01	0·00	2·2863	·006	+0·004	48 3 44·1	0·0	17·020	·18	+0·05	5	9·66	48.253
709	9·0	7 53·77	0·00	2·3904	·006	+0·001	43 56 32·6	−0·1	17·005	·19	−0·02	5	7·11	44.250
710	9·9	8 2·36	...	2·2144	·005	...	50 27 21·7	...	16·999	·18	...	3	9·86	50.310
711	7·5	2 8 5·22	−0·01	+2·2952	−0·006	−0·007	−47 38 19·8	−0·1	+16·997	−0·19	−0·06	3	8·78	47.241
712	9·3	8 20·06	...	2·4003	·006	...	43 25 49·1	...	16·985	·19	...	5	7·48	43.235
713	8·1	8 51·11	0·00	2·3609	·005	−0·004	44 57 28·3	0·0	16·961	·19	+0·03	5	8·90	45.222
714	9·0*	8 53·38	−0·02	2·4647	·005	−0·006	40 28 5·6	−0·8	16·959	·20	−0·22	5	6·50	40.189
715	9·0	8 54·35	0·00	2·4325	·005	0·000	41 55 7·3	−0·1	16·959	·20	−0·02	5	7·12	42.203
716	9·6	2 9 22·02	...	+2·2985	−0·006	...	−47 15 45·4	...	+16·937	−0·19	...	3	8·88	47.244
717	9·6	9 50·21	...	2·4545	·005	...	40 44 33·4	...	16·915	·20	...	5	7·67	40.190
718	9·9	9 51·19	...	2·2504	·005	...	48 53 4·6	...	16·914	·18	...	3	9·62	49.291
719	8·8	9 55·10	0·00	2·2682	·005	+0·004	48 14 51·2	0·0	16·911	·19	−0·11	3	9·69	48.256
720	9·4	9 57·74	...	2·3609	·005	...	44 44 17·8	...	16·909	·19	...	3	8·88	44.252

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
721	8·5	2 10 19·67	0·00	+2·2771	−0·005	−0·003	−47 51 3·2	−0·1	+16·892	−0·19	−0·12	3	8·88	47.247
722	10·0	10 20·37	...	2·2383	0·005	...	49 12 19·4	...	16·891	0·18	...	3	9·87	49.293
723	9·1	10 35·78	...	2.3897	0·005	...	43 25 57·3	...	16·879	0·20	...	5	7·89	43.237
724	9·3	10 41·04	0·00	2·4417	0·005	−0·001	41 9 53·7	−0·1	16·875	0·20	−0·04	5	7·30	41.201
725	8·6	10 43·47	+0·01	2·3499	0·005	+0·006	45 1 42·7	0·0	16·873	0·19	+0.04	3	8·91	45.226
726	9·9	2 10 49·17	...	+2·3111	−0·005	...	−46 30 33·3	...	+16·869	−0·19	...	3	8·91	46.221
727	9·0	11 0·26	0·00	2·4603	0·005	0·000	40 15 32·9	+0·2	16·860	0·20	+0·10	5	7·69	40.192
728	7·0	11 22·23	0·00	2·4304	0·005	0·000	41 32 5·4	+0·1	16·843	0·20	+0·02	5	7·09	41.203
729	8·9	11 33·88	0·00	2·1451	0·005	+0·004	51 56 53·0	0·0	16·833	0·18	+0.07	3	9·70	52.279
730	8·8	11 37·04	0·00	2·3678	0·005	−0·002	44 8 19·2	0·0	16·831	0·20	−0·04	3	8·86	44.256
731	7·5	2 11 48·91	0·00	+2·1633	−0·005	−0·006	−51 21 1·9	0·0	+16·822	−0·18	−0·05	3	9·78	51.294
732	9·3	11 59·20	0·00	2·4110	0·005	+0.002	42 15 41·1	−0·2	16·813	0·20	−0·08	5	7·68	42.211
733	9·8	12 5·52	...	2·1908	0·005	...	50 26 3·6	...	16·808	0·18	...	3	9·88	50.321
734	9·3	12 18·92	−0·01	2·2805	0·005	−0·008	47 20 56·4	0·0	16·798	0·19	−0·01	3	8·90	47.250
735	7·5	12 31·96	+0·01	2·3738	0·005	+0·002	43 43 29·3	−0·1	16·787	0·20	−0·02	10	7·41	43.238
736	8·0	2 12 40·47	0·00	+2·3810	−0·005	0·000	−43 23 29·4	+0·1	+16·780	−0·20	+0·05	5	7·48	43.240
737	9·8	12 55·92	...	2·2163	0·005	...	49 27 7·3	...	16·768	0·18	...	3	9·79	49.297
738	9·0	12 59·99	0·00	2·1711	0·004	−0·006	50 53 17·8	−0·1	16·765	0·18	−0·19	3	9·61	51.298
739	9·8	13 9·87	...	2·3079	0·005	...	46 10 40·3	...	16·757	0·19	...	3	8·86	46.224
740	9·5	13 14·68	...	2·2571	0·005	...	47 59 59·2	...	16·753	0·19	...	3	9·87	48.260
741	9·3	2 13 19·03	0·00	+2·3889	−0·005	+0·002	−42 56 42·3	0·0	+16·750	−0·20	−0·01	5	7·68	43.241
742	8·8	13 28·70	0·00	2·3313	0–005	+0·002	45 13 35·4	0·0	16·742	0·19	+0·01	3	8·90	45.229
743	8·3	14 1·14	...	2·1975	0·004	...	49 51 36·3	...	16·716	0·18	...	3	9·69	49.300
744	8·9	14 20·03	+0·01	2·3483	0·005	+0·006	44 24 6·6	−0·1	16·701	0·20	−0·06	3	8·86	44.260
745	9·8	15 2·89	...	2·2833	0·005	...	46 43 50·6	...	16·666	0·19	...	3	8·91	46.225
746	8·5*	2 15 9·58	+0·01	+2·3919	−0·004	+0·002	−42 28 47·4	+0·1	+16·661	−0·20	+0·04	5	6·88	42.214
747	9·0	15 37·25	−0·02	2·2969	0·005	−0·016	46 7 30·1	0·0	16·638	0·19	+0·02	3	8·86	46.228
748	8·7	15 46·52	0·00	2·2367	0·004	+0·004	48 13 58·3	0·0	16·631	0·19	−0·05	4	9·74	48·262
749	9·0	15 57·31	...	2·4458	0·004	...	39 58 58·3	...	16·622	0·21	...	5	7·12	40.194
750	8·0	15 59·61	0·00	2·1416	0·004	−0·005	51 14 12·7	0·0	16·620	0·18	−0·02	3	9·69	51.301
751	9·1	2 16 11·46	...	+2·3814	−0·004	...	−42 43 46·7	...	+16·610	−0·20	...	5	7·86	42.217
752	9·6	16 12·43	...	2·1687	0·004	...	50 22 21·1	...	16·609	0·18	...	3	9·88	50.334
753	9·0	16 14·57	−0·01	2·4021	0·004	−0·003	41 50 48·6	+0·4	16·608	0·20	+0·12	5	7·08	41.210
754	8·0	16 27·25	0·00	2·3354	0·004	−0·002	44 31 2·4	0·0	16·597	0·20	+0·01	3	8·90	44.263
755	8·1	16 36·32	+0·01	2·2568	0·004	+0·005	47 23 7·8	+0·1	16·590	0·19	+0·12	3	8·91	47.255
756	7·3	2 16 40·33	0·00	+2·1533	−0·004	+0·001	−50 45 39·7	0·0	+16·587	−0·18	−0·05	3	9·62	50.336
757	9·9	16 46·64	...	2·1142	0·004	...	51 54 26·4	...	16·582	0·18	...	3	9·87	52.292
758	9·1	16 59·97	...	2·4115	0·004	...	41 18 3·6	...	16·571	0·20	...	5	7·49	41.211
759	9·6	17 13·66	...	2·1934	0·004	...	49 24 6·9	...	16·559	0·19	...	3	9·79	49.306
760	9·3	17 23·32	−0·01	2·2933	0·004	−0·005	45 56 4·3	+0·1	16·551	0·20	+0·06	3	8·86	46.229

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
761	9·3†	2 17 40·58	...	+2·4246	−0·004	...	−40 36 46·0	...	+16·537	−0·21	...	5	6·91	40.195
762*	8·3	17 52·81	0·00	2·2093	·004	−0·006	48 46 6·6	0·0	16·527	·19	−0·01	3	9·61	48.268
763	9·5	18 3·12	−0·02	2·2588	·004	−0·016	47 3 3·9	−0·1	16·519	·19	−0·07	3	8·91	47.256
764	9·6	18 5·87	...	2·4321	·004	...	40 12 30·0	...	16·516	·21	...	5	7·52	...
765	9·3	18 11·21	0·00	2·3549	·004	0·000	43 25 58·0	0·0	16·512	·20	−0·02	5	7·88	43.245
766	6·8	2 18 16·51	+0·02	+2·3489	−0·004	+0·006	−43 39 24·5	+0·1	+16·508	−0·20	+0·05	5	7·50	43.246
767	8·9	18 16·88	...	2·3382	·004	...	44 4 9·1	...	16·507	·20	...	3	8·88	44.265
768	7·6	18 20·42	0·00	2·1691	·004	−0·001	49 58 38·5	0·0	16·504	·19	+0·03	5	9·83	50.340
769	9·2	18 31·21	−0·01	2·2600	·004	−0·006	46 55 23·1	0·0	16·495	·19	−0·01	5	8·90	47.258
770	9·1	18 42·88	...	2·1453	·003	...	50 38 24·0	...	16·486	·19	...	3	9·79	50.341
771	9·0*	2 19 2·43	−0·03	+2·3756	−0·004	−0·010	−42 26 42·0	+0·1	+16·469	−0·20	+0·04	5	6·91	42.221
772	9·3	19 3·22	...	2·3895	·004	...	41 51 34·5	...	16·469	·21	...	5	7·51	41.215
773	9·4	19 18·07	...	2·1765	·004	...	49 34 18·1	...	16·456	·19	...	3	9·88	49.311
774	6·0*	19 23·48	0·00	2·1107	·003	−0·005	51 32 54·4	0·0	16·452	·18	+0·07	3	9·61	51.306
775	9·0	19 26·53	0·00	2·2940	·004	−0·001	45 31 52·3	0·0	16·449	·20	−0·03	3	8·91	45.235
776	9·1	2 19 29·31	0·00	+2·2356	−0·004	−0·004	−47 35 42·4	0·0	+16·447	−0·19	−0·01	3	8·87	47.261
777	8·8	20 19·50	0·00	2·2081	·004	−0·002	48 22 13·9	0·0	16·405	·19	0·00	3	9·61	48.274
778	9·5	20 22·33	...	2·4079	·004	...	40 51 17·3	...	16·403	·21	...	5	7·31	40.199
779	8·8	20 31·27	0·00	2·3092	·004	−0·002	44 46 49·1	0·0	16·395	·20	0·00	3	8·86	44.269
780	6·0	20 32·37	+0·06	2·3967	·004	+0·022	41 17 46·2	+0·3	16·394	·21	+0·12	5	7·11	41.217
781	7·5	2 20 56·72	+0·01	+2·3631	−0·004	+0·003	−42 36 43·6	0·0	+16·374	−0·21	+0·02	5	7·86	42.225
782	9·5	21 1·54	...	2·3447	·004	...	43 19 30·2	...	16·370	·20	...	5	7·88	43.251
783	9·6	21 16·45	...	2·1264	·003	...	50 45 28·6	...	16·357	·19	...	3	9·79	50.344
784	9·0	21 48·32	0·00	2·1583	·003	+0·004	49 42 13·7	0·0	16·330	·19	+0·01	3	9·61	49.314
785	8·8	21 49·39	0·00	2·1824	·003	+0·004	48 56 30·6	0·0	16·329	·19	−0·06	3	9·80	49.315
786	8·8	2 22 13·47	...	+2·2130	−0·003	...	−47 52 27·3	...	+16·309	−0·19	...	3	8·86	47.265
787	9·1	22 38·08	...	2·4049	·003	...	40 35 22·0	...	16·288	·21	...	5	7·29	40.200
788	10·1	22 40·17	...	2·0801	·002	...	51 51 26·1	...	16·286	·18	...	3	9·80	51.310
789	8·0	22 41·64	0·00	2·4174	·003	+0·001	40 2 11·2	0·0	16·285	·21	+0·01	5	7·13	40.201
790	9·3	22 46·36	−0·01	2·2380	·003	−0·007	46 56 13·0	+0·1	16·281	·20	+0·07	3	8·92	47.266
791	8·8	2 22 47·55	+0·01	+2·2679	−0·003	+0·006	−45 53 10·1	0·0	+16·280	−0·20	−0·01	3	8·90	46.234
792	9·4	22 49·93	...	2·3243	·004	...	43 48 2·3	...	16·278	·20	...	5	7·86	43.254
793	9·8	22 54·97	...	2·2269	·003	...	47 17 12·2	...	16·274	·20	...	3	8·92	47.267
794	7·5	23 0·05	−0·01	2·1509	·003	−0·005	46 26 57·2	0·0	16·269	·20	+0·01	3	8·86	46.235
795	4·0*	23 19·16	0·00	2·1989	·003	−0·001	48 9 9·1	0·0	16·253	·19	−0·02	3	9·61	48.278
796	9·8	2 23 34·27	...	+2·1140	−0·003	...	−50 44 2·4	...	+16·240	−0·19	...	3	9·80	50.346
797	9·5*	23 48·90	0·00	2·3751	·003	−0·001	41 37 45·6	+0·2	16·228	·21	+0·05	5	6·93	41.221
798	8·0	24 20·49	−0·01	2·3415	·003	−0·004	42 52 15·5	−0·2	16·201	·21	−0·07	5	7 47	42.229
799	9·8	24 25·86	...	2·2405	·003	...	46 33 44·4	...	16·196	·20	...	3	8·86	46.236
800	8·6	24 41·25	0·00	2·2705	·003	−0·001	45 28 11·6	0·0	16·183	·20	−0·03	3	8·90	45.243

762. $8^m·4$, $10^m·6$ 1″·6 340° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
801	9·5	2 24 45·94	+0·01	+2·2920	−0·003	+0·009	−44 40 32·2	+0·1	+16·179	−0·20	+0·08	3	8·92	44.277
802	7·8	24 54·07	0·00	2·3888	·003	0·000	40 52 53·8	−0·1	16·172	·21	−0·04	5	7·13	40.204
803	8·8	25 1·21	0·00	2·2939	·003	+0·003	44 33 41·2	0·0	16·166	·20	−0·04	3	8·93	44.279
804	9·2	25 13·59	0·00	2·0684	·002	+0·010	51 45 6·8	+0·1	16·155	·18	+0·13	3	9·61	51.312
805	8·0	25 16·57	+0·02	2·3464	·003	+0·007	42 31 11·1	−0·2	16·152	·21	−0·08	5	7·68	42.232
806	9·2	2 25 32·02	...	+2·3633	−0·003	...	−41 48 30·1	...	+16·139	−0·21	...	5	7·86	41.224
807	9·4	25 37·80	...	2·3227	·003	...	43 22 54·6	...	16·134	·21	...	5	7·91	43.258
808	9·6	25 39·68	...	2·1281	·003	...	49 57 50·2	...	16·132	·19	...	3	9·79	50.350
809	8·9	25 45·79	0·00	2·1142	·002	+0·013	50 21 23·6	0·0	16·127	·19	+0·14	3	9·79	50.351
810	9·8	26 9·69	−0·01	2·2172	·003	−0·009	47 3 49·1	+0·1	16·106	·20	+0·05	3	8·86	47.270
811	9·0*	2 26 18·47	0·00	+2·3117	−0·003	0·000	−43 41 23·0	−0·1	+16·099	−0·21	−0·02	5	6·94	43.262
812	8·8	26 24·53	0·00	2·1472	·003	0·000	49 15 27·5	0·0	16·093	·19	+0·01	3	9·61	49.321
813	9·2	26 31·50	0·00	2·3367	·003	−0·002	42 41 40·6	+0·1	16·087	·21	+0·04	5	7·87	42.234
814	8·7	26 59·96	0·00	2·1725	·003	−0·005	48 22 29·6	0·0	16·063	·20	+0·02	3	9·87	48.284
815	9·7	27 6·26	...	2·2753	·003	...	44 53 18·1	...	16·057	·21	...	3	8·87	45.244
816	9·3	2 27 14·98	...	+2·3712	−0·003	...	−41 12 23·7	...	+16·049	−0·21	...	5	7·87	41.226
817	8·3	27 21·26	0·00	2·1861	·003	+0·001	47 53 7·2	0·0	16·044	·20	−0·01	3	8·89	47.273
818	9·6	27 22·51	...	2·2975	·003	...	44 1 51·2	...	16·043	·21	...	3	8·91	44.283
819	9·4	27 36·86	...	2·3435	·003	...	42 14 38·1	...	16·030	·21	...	5	7·33	42.235
820	9·6	27 42·11	−0·01	2·3947	·003	−0·003	40 9 50·0	0·0	16·026	·22	+0·02	5	7·88	40.208
821	9·4	2 28 4·93	...	+2·1534	−0·002	...	−48 47 36·9	...	+16·006	−0·20	...	3	9·62	48.286
822	8·9	28 7·07	0·00	2·3030	·003	+0·001	43 42 25·3	−0·1	16·004	·21	−0·02	5	7·29	43.264
823	7·7	28 32·68	−0·01	2·2276	·003	−0·007	46 18 42·1	0·0	15·981	·20	−0·02	3	8·86	46.240
824	9·0	28 53·04	...	2·3820	·003	...	40 29 58·8	...	15·963	·22	...	5	7·15	40.210
825	9·4	28 59·54	...	2·0409	·001	...	51 53 30·1	...	15·958	·19	...	3	9·86	52.314
826	9·5	2 29 3·55	0·00	+2·0779	−0·002	−0·002	−50 51 46·0	0·0	+15·954	−0·19	−0·11	3	9·79	50.355
827	9·3	29 9·18	...	2·2445	·003	...	45 38 3·4	...	15·949	·21	...	3	8·90	45.248
828	8·6	29 16·99	...	2·2549	·003	...	45 14 58·9	...	15·942	·21	...	3	8·92	45.249
829	9·0	29 28·26	0·00	2·0979	·002	−0·007	50 13 35·7	0·0	15·932	·19	−0·02	3	9·61	50.356
830	9·9	29 45·12	...	2·2060	·002	...	46 50 28·2	...	15·917	·20	...	3	8·88	46.242
831	9·5*	2 30 4·93	+0·01	+2·3316	−0·003	+0·004	−42 18 45·3	−0·1	+15·900	−0·21	−0·03	5	6·94	42.238
832	7·8	30 7·44	0·00	2·1414	·002	−0·005	48 49 43·6	0·0	15·898	·20	−0·06	3	9·86	48.289
833	9·3	30 16·03	−0·01	2·1896	·002	−0·004	47 17 38·5	+0·1	15·890	·20	+0·09	3	8·90	47.276
834	9·0	30 28·92	0·00	2·1256	·002	0·000	49 14 54·2	0·0	15·879	·20	0·00	3	9·70	49.325
835	6·5*	30 30 26	0·00	2·0454	·001	−0·002	51 31 53·0	0·0	15·877	·19	−0·03	3	9·62	51.321
836	9·6	2 30 32·91	...	+2·3494	−0·003	...	−41 32 4·9	...	+15·875	−0·22	...	5	7·86	41.228
837	8·8	30 34·34	0·00	2·2778	·003	+0·004	44 13 34·8	−0·3	15·874	·21	−0·29	3	8·90	44.285
838	7·0	31 7·67	−0·01	2·3207	·003	−0·005	42 32 58·7	−0·1	15·844	·21	−0·02	5	7·15	42.243
839	9·2	31 9·22	+0·01	2·3748	·002	+0·004	40 25 54·8	0·0	15·843	·22	0·00	5	7·51	40.215
840	9·8	31 16·24	...	2·0804	·001	...	50 26 24·5	...	15·836	·19	...	3	9·87	50.358

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
841	9·4	2 31 29·05	...	+2·3447	−0·002	...	−41 34 5·6	...	+15·825	−0·22	...	5	7·89	41.230
842	8·8	31 37·81	0·00	2·3754	·002	−0·002	40 19 32·4	0·0	15·817	·22	−0·02	5	7·87	40.216
843	9·3	32 8·65	...	2·0993	·002	...	49 45 29·9	...	15·789	·20	...	3	9·62	49.328
844	8·3	32 9·05	0·00	2·0909	·001	0·000	50 0 2·7	0·0	15·789	·20	−0·03	3	9·79	50.359
845	9·5	32 13·36	...	2·1538	·002	...	48 6 42·6	...	15·785	·20	...	3	9·87	48.294
846	8·0	2 32 23·20	0·00	+2·2421	−0·002	−0·003	−45 11 41·3	0·0	+15·776	−0·21	+0·01	3	8·86	45.254
847	8·3	32 25·49	0·00	2·1283	·002	−0·010	48 51 31·3	0·0	15.774	·20	−0·04	3	9·79	48.295
848	9·3	32 26·70	0·00	2·1716	·002	+0·002	47 31 6·2	+0·1	15·773	·20	+0·12	3	8·91	47.277
849	8·9	32 28·35	...	2·1973	·002	...	46 41 22·9	...	15·772	·20	...	3	8·90	46.245
850	9·5	32 49·75	−0·01	2·2820	·002	−0·004	43 43 2·0	−0·1	15·752	·21	−0·02	5	7·16	43.272
851	8·8	2 33 16·09	+0·01	+2·2887	−0·002	+0·006	−43 23 51·5	0·0	+15·729	−0·21	0·00	5	7·86	43.273
852	8·4	33 22·92	0·00	2·3471	·002	+0·002	41 10 43·6	−0·3	15·722	·22	−0·11	5	7·70	41.235
853	10·0	33 23·89	...	2·0139	·001	...	51 55 22·9	...	15·721	·19	...	3	9·78	52.321
854	9·8	33 33·41	...	2·2228	·002	...	45 40 0·4	...	15·713	·21	...	3	8·88	45.260
855	8·8	33 56·32	−0·01	2·1565	·002	−0·008	47 49 31·2	0·0	15·692	·20	+0·01	3	8·90	47.282
856	7·0	2 34 19·76	+0·02	+2·3128	−0·002	+0·007	−42 20 17·5	+0·1	+15·671	−0·22	+0·03	5	7·50	42.245
857	7·0	34 22·83	−0·01	2·3221	·002	−0·003	41 59 8·4	0·0	15·668	0·22	−0·01	5	7·51	42.246
858	10·0	34 41·89	...	2·0712	·001	...	50 9 53·9	...	15·651	0·20	...	3	9·87	50.362
859	9·3	34 52·88	...	2·1685	·002	...	47 13 58·0	...	15·641	0·20	...	3	8·91	47.285
860	9·5	34 53·32	...	2·1997	·002	...	46 13 40·9	...	15·640	0·21	...	3	8·87	46.247
861	8·3	2 34 59·94	0·00	+2·2478	−0·002	−0·004	−44 35 11·4	0·0	+15·634	−0 21	−0 02	3	8·92	44.294
862	8·5	35 31·41	0·00	2·2556	·002	−0·004	44 13 54·3	0·0	15·606	·21	−0·02	3	8·90	44.295
863	9·0	35 32·24	+0·01	2·3389	.002	+0·002	41 9 51·2	0·0	15·605	·22	0·00	5	7·15	41.245
864	8·0	35 56·56	0·00	2·0851	·001	−0·003	49 34 42·8	0·0	15·582	·20	−0·02	3	9·61	49.333
865	5·0	35 59·16	+0·01	2·2793	·002	+0·005	43 19 15·4	−0·1	15·580	·22	−0·06	5	7·87	43.277
866	9·0	2 36 10·22	...	+2·0534	−0·001	...	−50 26 12·5	...	+15·570	−0·20	...	3	9·78	50.364
867	9·8	36 38·31	...	2·1200	·001	...	48 27 16·6	...	15·544	·20	...	3	9·88	48.301
868	9·8	36 43·15	...	2·0396	·001	...	50 44 0·0	...	15·540	·19	...	3	9·87	50.365
869	4·5*	36 43·22	+0·03	2·3567	·002	+0·009	40 16 59·7	−0·1	15·540	·22	−0·04	5	7·15	40.224
870	7·6	37 0·08	−0·01	2·3182	·002	−0·004	41 43 40·3	0·0	15·524	·22	−0·02	5	7·87	41.250
871	9·5	2 37 1·37	...	+2·1064	−0·001	...	−48 47 58·1	...	+15·523	−0·20	...	3	9·80	48.302
872	9·0	37 4·04	+0·01	2·2087	·002	+0·007	45 35 44·7	0·0	15·520	·21	+0·02	3	8·86	45.267
873	9·1	37 12·31	...	2·3614	·002	...	40 1 27·7	...	15·513	·22	...	5	7·90	40.225
874	9·0	37 17·22	−0·01	2·2973	·002	−0·007	42 27 52·2	+0·1	15·508	·22	+0·05	5	7·91	42.256
875	9·3	37 19·94	...	2·1828	·002	...	46 24 7·7	...	15·506	·21	...	3	8·90	46.252
876	9·6	2 37 37·41	...	+2·1335	−0·001	...	−47 53 55·2	...	+15·490	−0·20	...	3	8·92	48.303
877	8·5	37 44·01	+0.01	1·9908	·000	+0·032	51 52 18·2	+0·1	15·483	·19	+0·17	3	9·69	51.327
878	9·8	37 45·43	...	2·2507	·002	...	44 3 38·3	...	15.482	·22	...	3	8·93	44.297
879	7·9	38 7·11	0·00	2·1423	·001	0·000	47 33 21·0	+0·1	15·462	·21	+0·08	3	8·86	47.289
880	8·0	38 20·87	0·00	2·2793	·002	−0·001	42 57 31·2	0·0	15·449	·22	−0·01	5	7·14	43.279

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
881	9·1	2 38 29·49	0·00	+2·2228	−0·002	0·000	−44 54 17·5	0·0	+15·441	−0·21	0·00	3	8·90	45.268
882	9·7	38 30·70	...	2·0902	·001	...	49 2 42·9	...	15·440	·20	...	3	9·87	49.336
883	9·3	38 57·81	0·00	2·2081	·002	−0·001	45 19 38·7	0·0	15·415	·21	−0·04	3	8·88	45.269
884	5·5*	39 9·15	+0·01	2·0074	·000	+0·030	51 13 54·2	+0·1	15·404	·19	+0·22	3	9·69	51.330
885	9·0	39 11·63	+0·02	2·3113	·002	+0·008	41 39 45·0	0·0	15·402	·22	−0·01	5	7·87	41.252
886	7·5	2 39 16·67	0·00	+2·0468	−0·000	−0·003	−50 9 13·9	0·0	+15·397	−0·20	−0·02	3	9·88	50.369
887	9·5	39 26·70	...	2·0169	·000	...	50 56 13·1	...	15·388	·19	...	3	9·89	51.331
888*	6·5	39 27·25	0·00	2·3290	·002	−0·001	40 57 9·3	0·0	15·387	·22	+0·01	9	7·50	41.253
889	7·7	39 41·83	−0·01	2·2124	·001	−0·010	45 4 37·9	0·0	15·374	·21	−0·04	3	8·88	45.271
890	8·8	39 54·69	0·00	2·0551	·000	+0·003	49 49 47·5	0·0	15·362	·20	−0·05	3	9·78	49.338
891	9·1	2 39 57·97	0·00	+2·1557	−0·001	+0·001	−46 51 49·5	−0·5	+15·359	−0·21	−0·47	3	8·88	46.254
892	9·0	40 4·73	0·00	2·3331	·002	0·000	40 42 0·0	0·0	15·352	·23	−0·01	5	7·89	40.228
893	9·2	40 4·75	0·00	2·2636	−0·002	0·000	43 15 38·6	−0·1	15·352	·22	−0·05	5	7·90	43·282
894	9·7	41 7·19	...	1·9674	+0·001	...	51 58 30·6	...	15·294	·19	..	3	9·78	52.332
895	8·7	41 10·55	+0·02	2·2860	−0·002	+0·006	42 17 41·4	0·0	15·290	·22	+0·01	5	7·50	42.261
896	8·4	2 41 11·63	0·00	+2·2704	−0·001	0·000	−42 51 14·2	−0·1	+15·290	−0·22	−0·03	5	7·51	42.262
897	9·3	41 24·66	...	2·2390	·001	...	43 55 20·0	...	15·277	·22	...	5	7·73	44.298
898	8·3	41 26·05	+0·01	2·1828	·001	+0·005	45 47 9·9	−0·1	15·276	·21	−0·07	3	8·88	45.274
899	8·0	41 29·24	0·00	2·0733	·000	−0·007	49 5 28·8	0·0	15·273	·20	−0·07	3	9·69	49.339
900	9·1	41 31·80	...	2·1244	·001	...	47 35 15·4	...	15·270	·21	...	3	8·88	47.293
901	7·0	2 41 41·30	0·00	+2·1525	−0·001	−0·003	−46 42 28·9	0·0	+15·261	−0·21	−0·03	3	8·92	46.256
902	7·0	41 47·35	0·00	2·2567	·001	0·000	43 15 26·6	−0·1	15·256	·22	−0·06	5	7·90	43.285
903*	8·4	41 47·60	0·00	2·3011	·001	−0·002	41 39 11·4	0·0	15·256	·22	0·00	5	7·91	41.262
904	8·1	41 50·04	+0·01	2·3412	·001	+0·006	40 8 21·1	0·0	15·253	·23	+0·02	5	7·69	40.230
905	9·3	42 8·24	0·00	2·0477	·000	−0·004	49 42 45·4	0·0	15·236	·20	+0·03	3	9·87	49.341
906	9·0	2 42 9·36	0·00	+2·0166	−0·000	0·000	−50 33 5·9	0·0	+15·235	−0·20	+0·03	3	9·78	50.371
907	8·5	42 15·17	0·00	2·1716	·001	+0·003	46 1 37·2	0·0	15·229	·21	−0·01	3	8·90	46.257
908	9·1	42 53·89	0·00	2·1971	·001	+0·004	45 6 37·3	0·0	15·193	·21	+0·03	3	8·87	45.276
909	8·0*	42 54·52	+0·01	2·3044	·001	+0·002	41 22 43·5	−0·1	15·192	·23	−0·03	5	6·92	41.265
910	9·4	43 25·76	...	2·1208	·001	...	47 25 20·8	...	15·162	·21	...	3	8·89	47.295
911	9·6	2 43 27·90	...	+2·2732	−0·001	...	−42 25 36·9	...	+15·160	−0·22	...	5	7·32	42.266
912	8·4†	44 12·50	...	2·3302	·001	...	40 13 14·0	...	15·118	·23	...	5	6·93	40.235
913	8·5	44 23·20	0·00	2·0853	·000	−0·001	48 19 49·2	0·0	15·107	·21	−0·08	3	9·63	48.308
914	8·9	44 29.98	0·00	2·2239	·001	−0·001	43 59 43·1	−0·2	15·101	·22	−0·09	5	7·88	44.300
915	8·3	44 31·77	0·00	2·0773	·000	−0·001	48 32 16·2	0·0	15·099	·21	−0·11	3	9·86	48.309
916	9·1	2 44 36·92	0·00	+2·0208	−0·000	+0·002	−50 5 29·8	0·0	+15·094	−0·20	+0·03	3	9·88	50.375
917	9·6	44 48·04	...	1·9967	+0·001	...	50 42 7·7	...	15·084	·20	...	3	9·90	50.376
918	10·0	44 49·06	...	2·1979	−0·001	...	44 48 15·9	...	15·082	·22	...	3	8·89	44.301
919	9·0	45 9·40	+0·01	2·2116	−0·001	+0·006	44 18 25·6	0·0	15·063	·22	−0·04	3	8·90	44.302
920	8·5*	45 9·43	0·00	1·9654	+0·001	+0·002	51 27 24·4	0·0	15·063	·20	+0·07	3	9·71	51.336

888. $7^m·2, 7^m·4$ 1″4 44° Mass observed

903. $8^m·8, 9^m·8$ 2″·0 25° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
921	8·8	2 45 16·79	0·00	+1·9435	+0·001	−0·007	−51 59 1·8	0·0	+15·056	−0·19	0·00	5	9·72	52.341
922	7·9	45 18·78	0·00	2·1337	− ·001	+0·001	46 45 46·2	0·0	15·054	·21	−0·02	3	8·89	46.259
923	7·3	45 21·77	−0·01	2·1739	·001	−0·006	45 30 17·6	0·0	15·051	·22	−0·01	3	8·92	45.280
924	9·3	45 43·16	−0·01	2·1057	·000	−0·011	47 32 45·6	0·0	15·030	·21	−0·03	3	8·89	47.297
925	9·2†	46 3·62	...	2·2628	·001	...	42 25 8·7	...	15·011	·23	...	5	6·95	42.268
926	8·8	2 46 39·51	0·00	+2·2542	−0·001	0·000	−42 38 23·2	−0·1	+14·976	−0·23	−0·06	5	7·88	42.269
927	6·7	46 55·81	+0·01	2·3169	·001	+0·005	40 20 39·8	0·0	14·960	·23	−0·01	5	7·89	40.239
928	9·3	46 59·34	0·00	2·0658	·000	+0·002	48 31 11·9	0·0	14·957	·21	−0·06	3	9·61	48.311
929	8·1	47 1·90	0·00	2·1981	·001	−0·002	44 29 9·7	−0·3	14·954	·22	−0·26	3	8·86	44.306
930	9·3	47 9·00	...	2·1729	·001	...	45 16 59·2	...	14·947	·22	...	3	8·91	45.282
931	8·8	2 47 11·92	−0·01	+2·2251	−0·001	−0·003	−43 33 48·4	−0·3	+14·944	−0·22	−0·10	5	7·14	43.291
932	7·0	47 17·54	−0·01	2·2873	·001	−0·003	41 22 30·4	0·0	14·939	·23	+0·01	4:5	7·65:7·69	41.268
933	8·4	47 19·21	0·00	2·0366	·000	−0·003	49 17 3·6	0·0	14·937	·20	−0·14	3	9·71	49.346
934	8·2	47 39·04	0·00	2·1347	·000	+0·001	46 24 23·8	0·0	14·918	·21	+0·01	3	8·88	46.262
935	8·9	47 47·54	0·00	1·9801	+ ·001	−0·008	50 43 4·1	0·0	14·910	·20	+0·07	3	9·78	50.382
936	8·8	2 47 54·56	0·00	+1·9386	+0·001	−0·006	−51 44 34·6	0·0	+14·903	−0·20	+0·04	3	9·78	51.340
937	9·3	48 15·62	0·00	2·0913	·000	−0·002	47 36 48·1	0·0	14·882	·21	+0·04	3	8·89	47.300
938	9·7	48 19·14	...	2·0982	·000	...	47 24 12·1	...	14·879	·21	...	3	8·89	47.301
939	7·0	48 38·47	0·00	1·9927	·001	+0·002	50 16 44·7	0·0	14·860	·20	−0·07	3	9·70	50.384
940	8·5*	48 50·25	+0·01	2·2238	− ·001	+0·003	43 22 59·8	+0·1	14·849	·22	+0·02	5	6·94	43.296
941	6·5	2 48 56·26	+0·01	+2·2691	−0·001	+0·002	−41 48 3·5	−0·1	+14·843	−0·23	−0·03	5	7·12	41.273
942	9·3	49 12·43	0·00	2·1333	·000	+0·003	46 14 1·5	0·0	14·827	·22	−0·03	3	8·86	46.264
943	8·8	49 26·52	...	2·0523	·000	...	48 33 41·5	...	14·813	·21	...	3	9·70	48.315
944	8·5*	49 56·42	0·00	2·2693	·001	+0·001	41 39 35·7	0·0	14·784	·23	−0·01	5	6·92	41.275
945	8·3	50 1·62	0·00	2·2984	·001	−0·001	40 36 4·2	0·0	14·779	·23	0·00	4:5	7·42:7·51	40.245
946	8·0	2 50 13·43	+0·01	+2·1681	0·000	+0·007	−45 0 52·5	0·0	+14·767	−0·22	+0·04	3	8·88	45.288
947	9·3	50 18·93	+0·01	2·1705	·000	+0·005	44 55 16·3	−0·1	14·761	·22	−0·06	3	8·88	45.289
948	8·2	50 36·80	0·00	2·2286	− ·001	−0·002	42 58 30·2	−0·1	14·744	·23	−0·03	8	7·66	43.300
949	8·8	50 38·22	...	2·0017	+ ·001	...	49 46 15·6	...	14·742	·20	...	3	9·63	49.349
950	8·3	50 40·77	0·00	2·0255	+ ·001	−0·006	49 7 45·1	0·0	14·740	·21	−0·20	5	9·88	49.350
951	9·3	2 50 46·97	...	+2·2706	−0·001	...	−41 29 47·5	...	+14·734	−0·23	...	4:5	7·39:7·49	41.276
952	6·5*	50 52·24	0·00	1·9416	+ ·002	−0·002	51 16 40·3	0·0	14·729	·20	0·00	3	9·88	51.345
953	9·4	50 55·46	...	2·1363	·000	...	45 54 16·7	...	14·725	·22	...	3	8·92	46.265
954	9·1†	51 19·83	...	2·3004	− ·001	...	40 20 55·8	...	14·701	·23	...	5	6·94	40.248
955	9·9	51 20·62	...	2·0780	·000	...	47 34 34·6	...	14·700	·21	...	3	8·89	...
956	9·2	2 51 33·32	...	+2·1480	0·000	...	−45 27 46·9	...	+14·688	−0·22	...	3	8·89	45.291
957	8·9	51 49·02	0·00	2·1090	·000	−0·003	46 36 35·7	−0·1	14·672	·22	−0·07	3	8·90	46.266
958	8·0	52 7·01	0·00	2·0106	+ ·001	+0·001	49 20 16·0	0·0	14·654	·21	+0·01	3	9·61	49.352
959	8·5*	52 11·09	−0·01	2·2020	·000	−0·004	43 39 27·6	0·0	14·650	·23	+0·01	5	6·93	43.302
960	8·5	52 15·02	0·00	1·9183	·002	0·000	51 39 52·6	0·0	14·646	·20	0·00	3	9·71	51.348

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
961	9·4	2 52 18·68	...	+2·0566	+0·001	...	−48 3 13·6	...	+14·643	−0·21	...	3	9·87	48.316
962	9·8	52 38·37	...	2·2738	·000	...	41 8 20·2	...	14·623	·23	...	5	7·13	41.278
963	9·6	52 58·11	...	1·9458	·002	...	50 53 47·3	...	14·603	·20	...	3	9·79	50.395
964	8·3	53 4·54	0·00	1·9910	·001	+0.001	49 43 49·9	0·0	14·597	·21	−0·01	3	9·62	49.356
965	9·5	53 4·81	...	2·2229	·000	...	42 50 33·0	...	14·597	·23	...	5	7·50	42.272
966	9·0	2 53 19·29	0·00	+2·0846	0·000	+0.001	−47 7 36·3	0·0	+14·582	−0·22	+0·02	3	8·86	47.305
967	8·6	53 28·18	−0·01	2·0982	·000	−0.008	46 42 36·6	0·0	14·573	·22	0·00	3	8·90	46.269
968	8·5*	54 15·13	+0·03	2·2068	·000	+0.009	43 13 32·6	+0·1	14·526	·23	+0·03	5	6·92	43.305
969	8·7	54 19·83	+0·02	2·1158	·000	+0.011	46 4 16·3	−0·1	14·522	·22	−0·05	3	8·58	46.271
970	9·8	54 29·78	...	2·1613	·000	...	44 39 22·0	...	14·512	·22	...	3	8·88	44.313
971	8·5	2 54 34·36	0·00	+1·9513	+0·002	+0·006	−50 33 12·5	0·0	+14·507	−0·20	−0·05	3	9·61	50.402
972	9·0	54 45·92	...	2·2450	·000	...	41 51 54·2	...	14·495	·23	...	5	7·15	41.279
973	9·1	54 59·37	...	2·2889	·000	...	40 17 33·3	...	14·482	·24	...	5	7·52	40.255
974	9·3	54 59·97	...	2·1439	·000	...	45 7 54·7	...	14·481	·22	...	3	8·92	45.295
975	9·1	55 0·91	0·00	2·0642	·001	−0·003	47 29 6·8	−0·1	14·480	·21	−0·06	3	8·92	47.310
976	7·0*	2 55 21·20	0·00	+2·1740	0·000	+0·003	−44 8 32·2	−0·2	+14·460	−0·23	−0·15	4	8·87	44.316
977	8·3	55 21·49	0·00	2·2642	·000	0·000	41 7 13·7	−0·2	14·459	·24	−0·07	5	7·12	41.281
978	9·4	55 21·90	...	2·2159	·000	...	42 46 25·0	...	14·459	·23	...	5	7·90	42.274
979	8·4	55 41·60	0·00	1·9732	+ ·002	−0·005	49 51 6·5	0·0	14·439	·21	−0·01	3	9·62	49.363
980	9·8	55 45·19	...	2·0144	.001	...	48 45 35·1	...	14·435	·21	...	3	9·87	48.319
981	9·5	2 56 9·95	...	+1·9964	+0·001	...	−49 11 17·5	...	+14·410	−0·21	...	3	9·81	49.364
982	7·2*	56 25·06	−0·01	2·2268	·000	−0·002	42 16 14·6	−0·1	14·395	·23	−0·03	5	6·93	42.277
983	8·0	56 42·84	+0·02	2·0446	·001	+0·013	47 48 51·8	+0·1	14·377	·21	+0·05	3	8·59	47.314
984	9·4	57 15·89	...	2 0130	·001	...	48 36 23·5	...	14·343	·21	...	3	9·70	48.322
985	8·3	57 19·81	−0·02	2·2390	·000	−0·005	41 44 48·4	−0·2	14·339	·23	−0·05	5	6·97	41.283
986	8·0	2 57 21·42	0·00	+2·1160	+0·001	0·000	−45 40 33·0	0·0	+14·338	−0·22	−0·03	3	8·88	45.300
987	9·6	57 24·75	...	1·9298	·002	...	50 43 29·2	...	14·334	·20	...	3	9·71	50.405
988	9·6	57 25·16	...	2·0834	·001	...	46 37 40·8	...	14·334	·22	...	3	8·90	46.275
989	9·9	57 31·95	...	1·9053	·002	...	51 18 14·7	...	14·327	·20	...	3	9·89	51.353
990	9·2†	57 34·50	...	2·1768	·000	...	43 46 2·0	...	14·324	·23	...	5	6·93	43.310
991	9·7	2 58 6·62	...	+2·1245	+0·001	...	−45 19 26·5	...	+14·292	−0·22	...	3	8·92	45.301
992	9·0†	58 19·76	...	2·1982	·000	...	42 58 45·6	...	14·278	·23	...	5	6·97	43.312
993	9·0	58 25·86	0·00	1·9831	·002	+0·005	49 14 54·3	0·0	14·272	·21	+0·04	3	9·62	49.371
994	9·2	58 27·92	+0·01	2·1410	·000	+0·006	44 46 34·3	0·0	14·269	·23	0·00	3	8·87	44.319
995	7·5	58 30·27	−0·01	2·0314	·001	−0 009	47 57 10·0	0·0	14·267	·21	0·00	4	8·92	48.324
996	8·3*	2 58 46·61	0·00	+2·2656	0·000	0·000	−40 38 20·6	+0·2	+14·251	−0·24	+0·07	5	6·92	40.262
997	8·8	58 51·39	−0·01	2·0659	+ ·001	−0·013	46 56 40·7	0·0	14·246	·22	−0.01	3	8·92	47.317
998	9·0	58 54·74	+0·03	2·2202	·000	+0·011	42 10 34·0	−0·1	14·242	·23	−0·02	5	7·31	42.280
999	8·3	59 27·93	0·00	1·9384	·002	+0·006	50 15 27·0	0·0	14·208	·21	+0·01	3	9·62	50.407
1000	7·0	59 30·79	0·00	2·0480	·001	+0·001	47 22 0·8	0·0	14·205	·22	−0·01	3	8·58	47.318

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1001	9·8	2 59 33·29	...	+2·1750	0·000	...	−43 34 43·1	...	+14·203	−0·23	...	5	7·16	43.314
1002	8·3	59 50·30	0·00	2·1461	+ ·001	−0·002	44 26 41·3	−0·1	14·185	·23	−0·05	3	8·90	44.322
1003	8·5	3 0 4·37	...	1·9813	·002	...	49 5 27·0	...	14·171	·21	...	3	9·80	49.378
1004	9·2	0 11·54	...	2·1778	·000	...	43 24 40·5	...	14·163	·23	...	5	7·32	43.315
1005	9·0*	0 12·83	+0·01	2·2646	·000	+0·004	40 29 49·9	+0·2	14·162	·24	+0·05	5	6·91	40.267
1006	9·2	3 0 27·01	0·00	+2·0977	+0·001	−0·001	−45 49 39·0	+0·1	+14·147	−0·22	+0·12	3	8·90	45.305
1007	7·5	0 47·23	0·00	2·0100	·002	−0·008	48 14 48·8	0·0	14·127	·21	+0·02	3	9·62	48.327
1008	9·7†	1 17·51	...	2·2231	·000	...	41 47 10·6	...	14·095	·24	...	5	6·94	41.287
1009	9·8	1 19·50	...	2·0222	·001	...	47 51 6·1	...	14·093	·22	...	3	8·58	47.324
1010	7·5	1 25·25	0·00	1·8678	·003	+0·008	51 42 45·5	0·0	14·087	·20	+0·08	3	9·80	51.361
1011	7·5*	3 1 34·48	0·00	+2·2344	0·000	−0·001	−41 22 20·0	0·0	+14·078	−0·24	+0·01	5	6·91	41.289
1012	9·2	2 7·49	0·00	2·1419	+ ·001	+0·003	44 17 29·1	0·0	14·043	·23	−0·04	3	8 90	44.326
1013	9·9	2 26·29	...	2·0633	·001	...	46 34 32·1	...	14·024	·22	...	3	8·61	46.279
1014	9·1	2 36·58	0·00	1·9374	·002	−0·006	49 53 50·2	+0·1	14·013	·21	+0·18	3	9·62	49.381
1015	8·3*	2 46·86	+0·01	2·2651	·000	+0·003	40 9 58·3	−0·2	14·002	·24	−0·05	5	6·92	40.271
1016	7·8	3 2 49·77	0·00	+1·9648	+0·002	−0·012	−49 10 47·9	0·0	+13·999	−0·21	−0·18	3	9·88	49.383
1017	8·8	2 52·53	0·00	1·9220	·003	−0·002	50 14 47·8	0·0	13·996	·21	+0·06	3	9·90	50.411
1018	8·3*	2 54·60	0·00	2·2082	·001	−0·001	42 5 17·8	−0·2	13·994	·24	−0·08	5	6·94	42.283
1019	8·8	3 23·48	...	1·8914	·003	...	50 55 24·8	...	13·964	·20	...	5	9·84	51.369
1020	9·2†	4 1·95	...	2·1520	·001	...	43 44 59·5	...	13·924	·23	...	5	6·93	43.321
1021	9·2	3 4 2·73	0·00	+2·1155	+0·001	0·000	−44 51 28·6	0·0	+13·923	−0·23	+0·03	3	8·58	44.328
1022	9·3	4 8·25	...	2·0631	·001	...	46 22 32·2	...	13·917	·22	...	3	8·90	46.283
1023	8·4	4 12·37	0·00	2·0252	·002	−0·003	47 25 10·6	−0·1	13·913	·22	−0·10	3	8·92	47.326
1024	8·0	4 14·75	0·00	1·8475	·004	−0·001	51 50 36·1	0·0	13·910	·20	0·00	3	9·70	51.371
1025*	8·3*	4 30·25	+0·01	2·1774	·001	+0·003	42 53 52·0	−0·2	13·894	·23	−0·06	5	6·93	42.284
1026	7·5	3 4 52·50	+0·01	+2·2122	+0·001	+0·005	−41 43 14·3	−0·1	+13·871	−0·24	−0·04	5	7·50	41.295
1027	9·0	5 4·76	+0·01	2·0783	·001	+0·009	45 49 36·8	−0·1	13·858	·22	−0·07	3	8·87	45.312
1028	8·6	5 7·30	0·00	2·1197	·001	−0·002	44 36 13·0	0·0	13·855	·23	+0·01	3	8·90	44.333
1029	8·5	5 20·94	+0·01	1·9835	·002	+0·029	48 23 51·2	0·0	13·840	·22	−0·07	3	9·62	48.331
1030	8·2	5 22·66	+0·01	2·0939	·001	+0·008	45 20 19·4	0·0	13·839	·23	−0·03	3	8·62	45.314
1031	9·0*	3 5 42·38	−0·01	+2·2260	+0·001	−0·002	−41 9 18·0	+0·1	+13·818	−0·24	+0·03	5	6·94	41.298
1032	9·2	5 47·14	0·00	1·8874	·003	+0·002	50 44 13·5	0·0	13·813	·21	+0·08	3	9·88	50.416
1033	8·5	6 0·17	−0·01	2·0591	·001	−0·007	46 15 58·0	−0·1	13·799	·22	−0·06	3	8·87	46.285
1034	9·3	6 1·12	0·00	1·9422	·003	−0·004	49 22 26·2	0·0	13·798	·21	−0·04	3	9·90	49.387
1035	9·3	6 22·06	....	2·0221	·002	...	47 14 54·1	...	13·776	·22	...	3	8·90	47.328
1036	9·0*	3 6 38·05	0·00	+2·1783	+0·001	−0·001	−42 36 32·5·	−0·1	+13·759	−0·24	−0·03	5	6·92	42.285
1037	8·7	6 38·57	0·00	2·1304	·001	+0·004	44 5 57·6	−0·1	13·758	·23	−0·07	3	8·92	44.335
1038	7·8	6 56·59	0·00	1·8613	·003	+0·007	51 12 43·4	0·0	13·739	·20	+0·01	3	9·62	51.378
1039	8·8*	6 57·73	0·00	2·1863	·001	0·000	42 18 54·8	−0·1	13·738	·24	−0·03	5	6·95	42.286
1040	6·5*	7 12·32	0·00	1·9471	·003	+0·001	49 6 42·2	0·0	13·723	·21	−0·03	3	9·88	49.393

1025 $8^m·8$, $9^m·4$ 2″·4 252° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1041	9·4	3 7 12·97	0·00	+2·0375	+0·002	−0·001	−46 43 28·6	+0·1	+13·722	−0·22	+0·04	3	8·58	46.286
1042	9·0	7 28·97	+0·01	2·1556	·001	+0·004	43 13 47·5	+0·2	13·705	·24	+0·10	5	7·88	43.331
1043	8·8	7 36·43	...	1·9611	·002	...	48 42 42·8	...	13·697	·21	...	3	9·90	48.333
1044	8·5	7 48·71	...	1·8912	·003	...	50 24 39·5	...	13·684	·21	...	3	9·71	50.418
1045	9·6†	8 15·81	...	2·2454	·001	...	40 12 22·2	...	13·655	·25	...	5	6·95	40.280
1046	7·1*	3 8 31·54	0·00	+2·2275	+0·001	+0·001	−40 47 8·5	+0·1	+13·638	−0·24	+0·02	5	6·95	40.281
1047	9·2	8 42·84	...	2·2171	·001	...	41 6 1·7	...	13·626	·24	...	5	7·88	41.303
1048*	6·5	8 55·02	+0·01	2·0983	·001	+0·008	44 47 40·6	0·0	13·613	·23	−0·02	3	8·60	44.338
1049	8·1	9 4·83	−0·01	2·0246	·002	−0·007	46 51 49·9	−0·1	13·603	·22	−0·06	4	8·92	46.290
1050	9·5	9 8·36	0·00	2·0724	·002	+0·002	45 31 9·5	0·0	13·599	·23	−0·03	3	8·88	45.318
1051	8·1	3 9 19·78	−0·01	+2·1642	+0·001	−0·003	−42 44 57·2	+0·1	+13·587	−0·24	+0·02	5	7·32	42.289
1052	9·5	9 21·19	...	2·1361	·001	...	43 36 35·6	...	13·585	·24	...	5	7·33	43.336
1053	7·8	9 35·36	−0·01	1·9977	·002	−0·012	47 31 43·9	−0·1	13·570	·22	−0·07	3	8·90	47.332
1054	7·0*	9 36·21	−0·01	2·1944	·001	−0·004	41 45 12·9	0·0	13·569	·24	−0·01	5	6·93	41.304
1055	8·0	9 51·71	0·00	1·9725	·002	+0·008	48 9 31·9	0·0	13·552	·22	+0·02	3	9·62	48.337
1056	8·0	3 10 1·68	0·00	+1·9101	+0·003	+0·003	−49 42 10·6	0·0	+13·542	−0·21	0·00	3	9·80	49.396
1057	8·2	10 7·28	0·00	1·8342	·004	+0·005	51 28 29·5	0·0	13·536	·20	+0·01	3	9·90	51.384
1058	8·0*	10 8·03	+0·01	2·0411	·002	+0·004	46 17 21·1	0·0	13·535	·23	0·00	3	8·58	46.292
1059*	8·4	10 14·90	0·00	1·9934	·002	+0·002	47 34 2·5	0·0	13·527	·22	0·00	3	8·91	47.334
1060	7·5*	10 28·47	−0·01	2·2255	·001	−0·004	40 37 41·1	−0·1	13·513	·25	−0·02	5	6·93	40.286
1061	8·5	3 10 46·19	0·00	+1·8825	+0·003	−0·005	−50 17 2·5	0·0	+13·494	−0·21	−0·03	3	9·62	50.422
1062	8·1*	10 50·29	0·00	2·1492	·001	+0·001	43 2 42·2	0·0	13·489	·24	−0·01	5	6·94	43.339
1063	9·4	11 23·96	...	2·0685	·002	...	45 22 16·2	...	13·453	·23	...	3	8·86	45.321
1064	8·1	11 26·84	0·00	2·0987	·002	−0·003	44 29 28·6	0·0	13·450	·23	+0·01	3	8·90	44.342
1065	9·1	11 27·91	...	2·0836	·002	...	44 55 58·9	...	13·449	·23	...	4	8·69	45.322
1066	8·0	3 11 37·14	−0·01	+2·1920	+0·001	−0·003	−41 36 3·0	0·0	+13·439	−0·24	+0·01	5	7·13	41.307
1067	7·6	11 43·09	0·00	2·2359	·001	−0·002	40 7 56·2	0·0	13·432	·25	−0·02	13	7·55	40.287
1068	7·5	11 46·63	0·00	1·8503	·004	−0·002	50 55 29·6	0·0	13·428	·21	+0·05	3	9·41	51.386
1069	9·0	11 53·44	0·00	1·9346	·003	0.000	48 53 29·1	0·0	13·421	·22	−0·14	3	9·71	48.339
1070	8·0*	12 4·46	−0·02	2·1244	·001	−0·005	43 39 18·6	−0·1	13·409	·24	−0·03	5	6·93	43.344
1071	9·4	3 12 19·04	...	+2·1579	+0·001	...	−42 36 15·0	...	+13·393	−0·24	...	5	7·88	42.291
1072	8·9	12 19·73	−0·01	2·0457	·002	−·005	45 54 34·1	0·0	13·393	·23	−0·03	3	8·86	46.299
1073	8·8*	13 10·03	−0·01	2·1456	·001	−·002	42 53 39·9	0·0	13·338	·24	+0·01	5	6·92	42.294
1074	8·4	13 15·07	...	1·9769	·003	...	47 39 45·6	...	13·332	·22	...	3	8·88	47.336
1075	9·3	13 25·53	...	2·0338	·002	...	46 7 8·9	...	13·321	·23	...	3	8·58	46.305
1076	8·2*	3 13 42·73	−0·03	+2·2084	+0·001	−0·011	−40 50 9·5	0·0	+13·302	−·25	−0·01	5	6·95	40.292
1077	8·0	13 47·42	−0·01	2·1141	·001	−0·005	43 46 24·7	0·0	13·297	·24	0·00	5	7·33	43.351
1078	8·9	14 10·18	0·00	1·8643	·004	0·000	50 20 6·9	0·0	13·272	·21	+0·03	3	9·62	50.433
1079	6·5*	14 11·05	0·00	1·9552	·003	−0·002	48 7 5·0	0.0	13·271	·22	+0·03	7	9·74	48.344
1080	8·7	14 15·60	0·00	2·0139	·002	+0·002	46 34 4·1	+0·1	13·266	·23	+0·05	3	8·88	46.308

1048. Triple. No note: probably mass observed.

1059. $9^m{\cdot}1$, $9^m{\cdot}3$ 1″·0 249° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1081	9·0*	3 14 29·09	−0·01	+2·1716	+0·001	−0·002	−41 56 17·3	−0·2	+13·252	−0·24	−0·05	5	6·92	42.297
1082	8·3	14 39·40	0·00	1·8912	·004	+0·005	49 39 2·8	0·0	13·240	·21	+0·03	3	9·89	49.399
1083	8·3*	14 50·61	+0·01	2·1479	·001	+0·004	42 38 18·6	−0·2	13·228	·24	−0·06	5	6·95	42.298
1084	8·5	15 6·29	+0·01	2·1824	·001	+0·004	41 31 24·4	−0·1	13·211	·25	−0·02	5	7·15	41.314
1085	9·7	15 14·09	...	1·9823	·003	...	47 18 16·4	...	13·202	·22	...	3	8·58	47.338
1086	8·3	3 15 34·70	0·00	+1·7991	+0·005	−0·008	−51 39 35·8	0·0	+13·180	−0·20	−0·02	3	9·41	51.390
1087	4·5*	15 55·21	+0·85	2·1172	·002	+0·277	43 27 10·5	+2·3	13·157	·24	+0·74	5	6·93	43.354
1088	8·7	16 4·59	+0·01	2·0467	·002	+0·007	45 28 13·7	+0·1	13·147	·23	+0·11	3	8·88	45.328
1089	9·3	16 9·79	...	1·9548	·003	...	47 54 44·9	...	13·141	·22	...	3	8·92	48.348
1090	9·0	16 11·88	0·00	1·9032	·003	+0·004	49 11 34·7	0·0	13·139	·21	−0·02	3	9·71	49.403
1091	8·9	3 16 14 08	+0.01	+2·0377	+0·002	+0·005	−45 42 13·8	0·0	+13·136	−0·23	−0·01	3	8·88	45.329
1092	8·2	16 16·20	0·00	1·8149	·004	−0·010	51 14 16·0	0·0	13·134	·21	+0·06	3	9·89	51.392
1093	9·1	16 26·75	0·00	1·8288	·004	−0·001	50 54 34·7	0·0	13·122	·21	0·00	3:2	9·91	51.393
1094	9·5*	16 37·48	−0·04	2·1598	·002	−0·013	42 4 20·8	−0·1	13·111	·24	−0·03	5	6·96	42.302
1095	8·3	16 56·54	−0·01	2·0172	·002	−0·005	46 11 18·3	+0·1	13·090	·23	+0·04	3	8·58	46.314
1096	9·3	3 17 3·64	...	+1·9194	+0·003	...	−48 42 11·0	...	+13·082	−0·22	...	3	9·59	48.349
1097	9·1	17 39·25	...	1·8795	·004	...	49 36 17·2	...	13·042	·21	...	3	9·72	49.408
1098	8·8*	18 2·67	+0·01	2·2116	·002	+0·004	40 15 46·6	−0·2	13·016	·25	−0·08	5	6·95	40.304
1099	9·5	18 6·28	...	1.9910	·003	...	46 46 16·5	...	13·012	·23	...	3	8·87	46.315
1100	6·5*	18 19·56	0·00	1·9369	·003	+0·001	48 8 4·2	0·0	12·998	·22	−0·05	3	9·79	48.353
1101	9·3	3 18 31·96	...	+2·1593	+0·002	...	−41 52 51·3	...	+12·984	−0·25	...	5	7·35	41.323
1102	7·3	18 51·97	−0·01	1·9745	·003	−0·004	47 7 6·3	−0·1	12·962	·23	−0·09	3	8·59	47.341
1103	9·5	18 55·06	...	2·0915	·002	...	43 53 0·5	...	12·958	·24	...	5	7 88	43.357
1104	9·8	18 58·06	...	2·1337	·002	...	42 37 16·6	...	12·955	·24	...	5	7·90	42.304
1105	8·0	19 10·90	0·00	2·0697	·002	+0·001	44 29 14·4	0·0	12·941	·24	−0·01	3	8·87	44.353
1106	9·8	3 19 17·36	...	+2·0967	+0·002	...	−43 41 53·1	...	+12·933	−0·24	...	5	7·90	43.359
1107	8·0	19 19·16	−0·01	2·1654	·002	−0·005	41 36 40·8	0·0	12·931	·25	−0·01	5	7·14	41.326
1108	9·5	19 35·45	...	1·8881	·004	...	49 11 43 6	...	12·913	·22	...	3	9·71	49.412
1109	9·5	19 41·23	...	1·8477	·004	...	50 8 6·5	...	12·907	·21	...	3	9·89	50.439
1110	8·3	19 45·24	+0·01	2·0641	·002	+0·005	44 35 16·7	0·0	12·902	·24	−0·01	3	8·89	44.356
1111	7·5	3 19 54·63	+0·02	+2·2004	+0·002	+0·006	−40 25 51·8	−0·2	+12·892	−0·25	−0·06	5	7·35	40.310
1112	8·6	20 5·56	0·00	1·7658	·005	0·000	51 54 37·5	0·0	12·880	·20	+0·04	3	9·92	52.393
1113	9·2	20 6·91	+0·02	2·1464	·002	+0·009	42 7 3·3	−0·1	12·878	·25	−0·04	5	7·91	42.306
1114	10·0	20 15·43	...	1·8153	·005	...	50 48 53·0	...	12·869	·21	...	3	9·89	50.442
1115	7·3	20 30·34	−0·01	2·1623	·002	−0·005	41 35 2·3	−0·1	12·852	·25	−0·03	5	7·52	41.329
1116	9·5	3 20 40·49	...	+1·9354	+0·003	...	−47 55 37·4	...	+12·841	−0·22	...	2	8·87	48.358
1117	9·6	20 51·21	...	2·1221	·002	...	42 46 48·1	...	12·829	·24	...	5	7·92	42.308
1118	7·8	20 53·36	0·00	2·0290	·003	+0·003	45 27 2·1	0·0	12·826	·23	−0·02	3	8·59	45.335
1119	8·1	21 8·19	−0·01	2·0000	·003	−0·007	46 12 23·2	0·0	12·810	·23	−0·01	3	8·91	46.318
1120	8·3	21 13·16	0·00	2·0421	·002	+0·003	45 3 3·4	0·0	12·804	·23	−0·02	3	8·93	45.337

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1121	9·2	3 21 25·19	...	+2·0935	+0·002	...	−43 34 9·1	...	+12·790	−0·24	...	5	7·50	43.361
1122	6·5*	21 37·94	0·00	1·7815	·005	−0·002	51 24 54·2	0·0	12·776	·21	+0·03	3	9·63	51.404
1123	8·2	21 38·67	0·00	1·8292	·004	0·000	50 21 30·5	0·0	12·775	·21	0·00	3	9·88	50.446
1124	9·3	21 40·92	0·00	1·9746	·003	+0·002	46 49 11·7	0·0	12·773	·23	+0·01	3	8·87	46.320
1125	9·0	21 45·33	0·00	1·9001	·004	−0·004	48 41 4·2	0·0	12·768	·22	−0·07	3	9·90	48.359
1126	8·6	3 21 49·04	0·00	+1·9161	+0·003	+0·004	−48 17 12·0	0·0	+12·764	−0·22	+0·02	3	9·92	48.360
1127	9·5	21 54·71	0·00	2·0456	·002	+0·003	44 52 52·6	0·0	12·757	·23	+0·02	3	8·59	44.358
1128	8·2	22 6·60	0·00	2·1539	·002	+0·001	41 40 35·9	0·0	12·744	·25	+0·01	5	7·37	41.332
1129	8·8	22 9·74	−0·01	2·1711	·002	−0·003	41 8 13·3	0·0	12·740	·25	−0·01	5	7·90	41.333
1130	8·6	22 51·47	0·00	2·1014	·002	+0·002	43 11 13·5	+0·1	12·693	·24	+0·06	5	7·51	43.364
1131	9·5	3 22 54·22	...	+2·1249	+0·002	...	−42 29 1·5	...	+12·690	−0·25	...	5	7·72	42.313
1132	9·0	23 6·22	−0·02	2·0739	·002	−0·006	43 57 41·8	−0·1	12·677	·24	−0·05	5	7·35	44.361
1133	9·8	23 17·78	...	1·9533	·003	...	47 12 13·2	...	12·664	·23	...	3	8·58	47.345
1134	8·8	23 39·62	0·00	1·7916	·005	+0·024	50 59 35·2	0·0	12·639	·21	0·00	3	9·80	51.411
1135	9·1	23 53·02	...	1·8325	·004	...	50 3 33·7	...	12·624	·21	...	6	9·87	50.451
1136	7·5*	3 24 0·30	−0·01	+2·1953	+0·002	−0·003	−40 10 48·3	−0·2	+12·616	−0·25	−0·05	5	6·94	40.319
1137	9·0	24 3·11	...	1·9460	·003	...	47 18 53·4	...	12·612	·23	...	3	8·88	47.346
1138	8·0	24 4·65	0·00	1·8683	·004	+0·002	49 12 29·0	0·0	12·611	·22	−0·08	3	9·91	49.417
1139	7·3	24 17·21	0·00	2·0612	·002	+0·002	44 12 12·6	0·0	12·596	·24	+0·02	3	8·89	44.364
1140	7·9	24 38·65	0·00	1·9978	·003	0·000	45 54 26·6	0·0	12·572	·23	−0·02	5	8·73	45.344
1141	9·0	3 24 47·47	0·00	+1·9705	+0·003	+0·003	−46 36 43·6	0·0	+12·562	−0·23	−0·04	3	8·90	46.324
1142	9·0*	24 54·20	+0·01	2·1488	·002	+0·002	41 33 17·4	+0·5	12·554	·25	+0·15	5	6·96	41.341
1143	9·0	25 2·84	0·00	1·8793	·004	+0·003	48 51 3·1	0·0	12·545	·22	−0·04	3	9·80	48.369
1144	9·5	25 10·83	...	1·8952	·004	...	48 27 31·2	...	12·535	·22	...	3	9·90	48.370
1145	9·3	25 21·81	0·00	1·7426	·006	+0·007	51 52 22·7	0·0	12·523	·20	+0·03	3	9·92	51.413
1146	9·5	3 25 48·46	...	+2·0915	+0·002	...	−43 10 51·2	...	+12·492	−0·24	...	5	7·88	43.365
1147	9·4	25 54·28	...	1·8192	·005	...	50 9 36·7	...	12·486	·21	...	3	9·89	50.456
1148	7·2*	25 56·17	−0·02	2·1037	·002	−0·008	42 48 42·8	−0·2	12·484	·24	−0·06	5	6·93	42.318
1149	9·5	26 31·47	...	2·1235	·002	...	42 9 49·3	...	12·443	·25	...	5	7·15	42.321
1150	8·5	27 4·48	−0·03	2·1772	·002	−0·009	40 27 23·6	−0·6	12·406	·25	−0·21	5	7·14	40.321
1151	9·0	3 27 4·72	+0·01	+2·0197	+0·003	+0·006	−45 4 30·2	0·0	+12·405	−0·24	+0·02	3	8·58	45.345
1152	9·3	27 19·41	...	1·8242	·005	...	49 54 35·1	...	12·389	·21	...	3	9·88	49.424
1153	6·0*	27 24·50	+0·01	1·9165	·004	+0·007	47 42 59·9	0·0	12·383	·23	0·00	3	8·89	47.351
1154	9·4	27 30·83	...	1·9731	·003	...	46 16 23·0	...	12·376	·23	...	3	8·92	46.329
1155	8·3	27 49·72	0·00	1·9454	·004	−0·001	46 57 10·7	−0·1	12·354	·23	−0·12	3	8·91	47.353
1156	8·7	3 27 58·18	0·00	+2·0493	+0·003	+0·004	−44 10 23·8	−0·0	+12 344	−0·24	−0·03	3	8·88	44.370
1157	9·4	28 24·84	...	1·7385	·006	...	51 40 7·7	...	12·314	·21	...	3	9·90	51.415
1158	9·5*	28 26·29	+0·01	2·1271	·002	+0·002	41 51 59·6	−0·1	12·312	·25	−0·03	5	6·93	41.350
1159	9·3	28 46·23	...	2·0789	·003	...	43 15 24·2	...	12·289	·24	...	5	7·15	43.369
1160	8·2	28 55·33	0·00	2·0252	·003	−0·003	44 44 49·7	0·0	12·278	·24	−0·02	3	8·58	44.372

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1161	8·8	3 28 57·81	0·00	+1·8031	+0·005	−0·008	−50 13 21·8	−0·1	+12·276	−0·21	−0·13	3	9·51	50.459
1162	7·5	29 1·83	0·00	1·8350	·005	−0·002	49 29 51·5	0·0	12·271	·22	−0·02	3	9·91	49.427
1163	9·5	29 5·99	...	2·1654	·002	...	40 36 49·6	...	12·266	·26	...	5	7·91	40.327
1164	9·2	29 10·90	...	1·9926	·003	...	45 35 53·5	...	12·260	·24	...	3	8·90	45.347
1165	9·0	29 11·48	−0·01	2·1440	·002	−0·006	41 17 3·8	0·0	12·260	·25	−0·02	5	7·92	41.353
1166	9·0	3 29 24·30	−0·01	+2·0966	+0·002	−0·005	−42 40 47·1	−0·1	+12·245	−0·25	−0·03	5:4	7·12:7·18	42.329
1167	6·0*	29 35·76	0·00	1·7778	·005	+0·006	50 43 3·9	0·0	12·232	·21	+0·08	3	9·89	50.461
1168	9·0	29 36·16	+0·01	1·9801	·003	+0·007	45 53 17·0	0·0	12·231	·23	+0·02	3	8·90	45.349
1169	8·4	29 51·52	0·00	1·9312	·004	−0·002	47 7 2·5	0·0	12·214	·23	0·00	3	8·86	47.357
1170	8·4	30 5·05	0·00	1·8414	·005	+0·003	49 15 6 4	0·0	12·198	·22	0·00	3	9·51	49.429
1171	9·0*	3 30 21·72	0·00	+2·1001	+0·002	0·000	−42 29 12·7	0·0	+12·179	−0·25	−0·01	5	6·95	42.331
1172	9·3	30 25·06	...	2·0634	·003	...	43 32 15·4	...	12·175	·24	...	5	7·35	43.371
1173	7·5	30 31·37	−0·01	2·1270	·002	−0·003	41 40 27·4	+0·1	12·167	·25	+0·02	5	6·95	41.355
1174	9·2	31 17·29	...	1·8680	·004	...	48 31 0·3	...	12·114	·22	...	3	9·02	48.375
1175	7·8	31 28·27	0·00	2·0077	·003	+0·001	44 58 35·5	−0·1	12·101	·24	−0·03	3	8·30	45.351
1176	8·3*	3 31 35·62	0·00	+2·1691	+0·002	0·000	−40 16 42·1	−0·1	+12·093	−0·26	−0·04	5	6·93	40.330
1177	9·3	31 38·55	...	1·8939	·004	...	47 51 45·6	...	12·089	·23	...	3	8·87	47.361
1178	9·8	31 57·36	...	2·0483	·003	...	43 49 3·2	...	12·067	·24	...	5	7·34	...
1179	9·0	32 7·38	...	1·8500	·005	...	48 51 34·0	...	12·056	·22	...	3	9·79	48.377
1180	8·0	32 13·62	0·00	1·8106	·005	+0·006	49 45 0·0	0·0	12·049	·22	+0·02	3	9·52	49.431
1181	7·1	3 32 25·70	0·00	+2·0384	+0·003	+0·001	−44 2 52·4	0·0	+12·034	−0·24	+0·01	5	8·56	44.377
1182	9·8	32 30·47	...	1·9912	·003	...	45 19 12·2	...	12·029	·24	...	3	8·88	45.352
1183	8·8	33 0·60	0·00	1·9719	·003	+0·001	45 46 42·6	0·0	11·994	·24	+0·03	3	8·91	45.354
1184	8·3	33 3·98	0·00	1·9021	·004	+0·002	47 31 54·7	+0·1	11·990	·23	+0·05	3	8·90	47.365
1185	9·5*	33 14·89	−0·02	2·1038	·003	−0·006	42 6 18·5	−0·2	11·977	·25	−0·06	5	6·94	42.336
1186	8·6	3 33 17·84	0·00	+1·7229	+0·006	−0·003	−51 32 25·1	−0·2	+11·974	−0·21	−0·23	4	9·25	51.425
1187	9·1†	33 28·68	...	2·1114	·003	...	41 51 31·5	...	11·961	·25	...	5	6·96	41.359
1188	4·8*	33 30·33	−0·01	2·1530	·002	−0·003	40 36 9·0	−0·1	11·959	·26	−0·04	5	7·17	40.334
1189	8·5	33 30·43	0·00	2·1325	·002	−0·001	41 13 32·3	−0·1	11·959	·25	−0·03	5	7·34	41.360
1190	8·4	33 53·43	−0·01	2·0058	·003	−0·008	44 48 1·4	0·0	11·932	·24	−0·03	3	8·87	44.379
1191	8·0	3 33 54·34	0·00	+1·7793	+0·005	+0·002	−50 17 11·6	0·0	+11·931	−0·21	−0·01	3	9·79	50.465
1192	8·8	33 59·78	+0·01	2·0776	·003	+0·005	42 47 52·0	−0·1	11·925	·25	−0·03	5	7·35	42.339
1193	8·8	34 13·48	...	1·9070	·004	...	47 18 20·1	...	11·909	·23	...	3	8·89	47.367
1194	9·4	34 19·68	0·00	1·8488	·005	−0·005	48 40 59·6	0·0	11·901	·22	−0·04	3	9·32	48.383
1195	9·8	34 23·25	...	1·9622	·003	...	45 54 10·8	...	11·897	·24	...	3	8·61	45.355
1196	9·3	3 34 28·07	...	+1·7404	+0·006	...	−51 4 6·5	...	+11·892	−0·21	...	3	9·61	51.427
1197	9·3	34 41·15	...	1·7915	·005	...	49 57 2·1	...	11·876	·22	...	3	9·91	50.468
1198	8·0	34 43·51	0·00	1·8190	·005	−0·001	49 19 56·5	0·0	11·873	·22	−0·05	3	9·52	49.434
1199	9·9	34 46·16	...	1·8758	·004	...	48 0 38·2	...	11·870	·23	...	3	9·93	48.386
1200	9·4	34 51·33	−0·01	1·9410	·004	−0·012	46 24 5·3	0·0	11·864	·23	+0·01	3	8·87	46.336

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1201	9·4	3 35 10·42	...	+2·0458	+0·003	...	−43 35 27·4	...	+11·842	−0·25	...	5	7·91	43.375
1202	8·0	35 12·57	0·00	1·9306	·004	+0·001	46 34 2·0	−0·1	11·839	·23	−0·07	3	8·60	46.337
1203	9·3	35 13·39	...	1·6959	·006	...	51 55 8·2	...	11·838	·20	...	3	9·52	52.426
1204	9·4†	35 18·00	...	2·1178	·003	...	41 30 14·5	...	11·833	·25	...	5	6·92	41.364
1205	8·5	35 50·95	−0·01	2·0616	·003	−0·004	43 5 1·4	−0·4	11·794	·25	−0·16	13	7·40	43.376
1206	9·2	3 36 13·97	...	+1·7539	+0·005	...	−50 37 33·0	...	+11·767	−0·21	...	3	9·22	50.471
1207	8·5	36 15·05	−0·01	2·0333	·003	−0·004	43 50 6·6	+0·1	11·765	·25	+0·03	5	6·99	43.378
1208	9·3	36 23·72	...	1·6969	·006	...	51 47 39·6	...	11·755	·21	...	3	9·51	51.434
1209	8·5	36 25·73	0·00	2·1024	·003	+0·001	41 51 16·9	−0·2	11·753	·25	−0·06	5	7·14	41.369
1210	9·8	36 47·95	...	1·8884	·004	...	47 31 23·0	...	11·727	·23	...	3	8·58	47.371
1211	9·8	3 37 0·10	...	+2·0724	+0·003	...	−42 40 18·1	...	+11·712	−0·25	...	5	7·34	42.349
1212	7·3*	37 36·95	−0·01	2·1247	·003	−0·003	41 5 20·2	−0·1	11·669	·26	−0·02	5	6·92	41.374
1213	8·9	37 51·71	+0·01	1·9882	·003	+0·007	44 54 37·9	0·0	11·651	·24	+0·02	3	8·58	44.383
1214	8·1	37 54·24	−0·02	2·0905	·003	−0·007	42 4 20·2	−0·1	11·648	·25	−0·05	12	7·46	42.352
1215	9·0	38 13·48	−0·01	1·8113	·005	−0·008	49 11 36·4	0·0	11·625	·22	+0·01	3	9·02	49.442
1216	8·3	3 38 28·18	0·00	+2·0169	+0·003	+0·004	−44 5 14·2	−0·1	+11·608	−0·24	−0·07	3	8·89	44.385
1217	8·5	38 29·74	−0·01	2·0349	·003	−0·002	43 35 32·5	−0·1	11·606	·25	−0·04	5	7·14	43.383
1218	9·0	38 34·67	−0·02	2·1457	·003	−0·007	40 22 6·9	+0·1	11·600	·26	+0·02	5	7·36	40.349
1219	6·8*	38 39·83	0·00	1·8574	·005	−0·004	48 5 44·4	0·0	11·594	·23	+0·07	3	9·43	48.390
1220*	7·5	38 45·63	0·00	1·8372	·005	−0·003	48 33 21·6	0 0	11·587	·22	−0·11	3	9·89	48.391
1221	6·7*	3 38 57·23	−0·01	+1·9313	+0·004	−0·009	−46 16 35·7	0·0	+11·573	−0·24	0·00	3	8·89	46.343
1222	9·4	39 1·28	0·00	1·9852	·004	−0·001	44 53 10·8	+0·1	11·568	·24	+0·04	3	8·60	44.386
1223	8·0	39 9·90	0·00	1·7827	·005	+0·001	49 44 42·3	0·0	11·558	·22	+0·01	3	9·32	49.445
1224	9·5*	39 40·38	−0·01	2·0691	·003	−0·003	42 31 53·3	−0·3	11·522	·25	−0·09	5	6·94	42.354
1225	8·0	39 53·72	0·00	1·6913	·006	−0·005	51 36 18·5	0·0	11·506	·21	+0·08	3	9·81	51.442
1226	8·3	3 39 55·04	0·00	+1·7494	+0·006	−0·001	−50 24 2·9	0·0	+11·504	−0·21	+0·02	3	9·22	50.479
1227	9·5	40 5·70	...	1·9633	·004	...	45 21 39·8	...	11·492	·24	...	3	8·88	45.358
1228	7·0	40 10·90	0·00	1·7209	·006	+0·012	50 58 23·6	+0·2	11·485	·21	+0·50	6	9·62	51.443
1229	9·8	40 15·87	...	1·9544	·004	...	45 34 28·9	...	11·479	·24	...	3	8·92	45.360
1230	9·6	40 17·91	−0·01	2·0965	·003	−0·002	41 41 7·5	−0·1	11·477	·26	−0·03	5	7·33	41.381
1231	9·3	3 40 29·95	...	+1·8763	+0·004	...	−47 29 5·7	...	+11·462	−0·23	...	3	8·60	47.375
1232*	6·5	40 34·04	0·00	2·1199	·003	+0·001	40 58 21·7	−0·3	11·458	·26	−0·10	8:9	7·33:7·40	41.382
1233	7·7	40 50·23	0·00	2·0290	·003	−0·001	43 33 2·9	−0·1	11·438	·25	−0·02	5	7·22	43.386
1234	7·3*	40 50·68	0·00	2·0767	·003	−0·001	42 12 42·4	−0·1	11·438	·25	−0·04	5	7·12	42.356
1235	9·1	41 10·92	0·00	1·9703	·004	+0·002	45 5 13·6	+0·1	11·414	·24	+0·06	3	8·87	45.361
1236	8·7	3 41 34·00	+0·01	+1·9237	+0·004	+0·005	−46 14 27·0	+0·1	+11·386	−0·24	+0·07	3	8·31	46.348
1237	10·2	41 35·99	...	1·7988	·005	...	49 10 48·4	...	11·383	·22	...	3	9·92	49.449
1238	6·8*	41 46·70	0·00	1·8338	·005	+0·001	48 22 19·0	−0·1	11·371	·23	−0·09	3	9·02	48.394
1239	5·8*	42 9·44	−0·01	1·8625	·004	−0·003	47 40 16·4	0·0	11·343	·23	−0·02	3	8·30	47.376
1240*	9·0†	42 10·10	...	2·1316	·003	...	40 29 14·5	...	11·343	·26	...	5	6·92	40.357

1220. $7^m·5$, $10^m·4$ 1″·7 188° Mass observed.

1232. $6^m·5$, $9^m·8$ 5″·0 348° Brighter star observed.

1240. $9^m·4$, $10^m·4$ 3″·8 211° Brighter star observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1241	8·0*	3 42 23·98	−0·01	+1·6824	+0·007	−0·014	−51 34 19·5	0·0	+11·326	−0·21	−0·03	3	9·44	51.447
1242	9·4	42 32·17	0·00	1·9718	·004	−0·004	44 55 45·9	0·0	11·316	·24	+0·02	3	8·90	45.362
1243	9·8	42 38·55	...	1·9446	·004	...	45 37 12·4	...	11·308	·24	...	3	8·92	45.363
1244	9·0*	42 39·30	+0·01	2·0954	·003	+0·002	41 31 3·2	+0·2	11·307	·26	+0·05	5	6·96	41.387
1245	9·4	43 2·70	−0·01	2·0190	·003	−0·005	43 38 2·9	−0·1	11·279	·25	−0·05	5	7·38	43.388
1246	9·5	3 43 4·76	+0·01	+1·8824	+0·004	+0·006	−47 7 6·8	−0·2	+11·277	−0·23	−0·10	3	8·32	47.379
1247	9·5	43 9·86	...	1·7674	·006	...	49 44 9·8	...	11·271	·22	...	3	9·02	49.451
1248	9·1	43 10·23	−0·01	2·1393	·003	−0·003	40 10 38·3	−0·3	11·270	·26	−0·11	5	7·34	40.362
1249	8·2*	43 14·06	0·00	1·8358	·005	+0·003	48 12 15·0	0·0	11·265	·23	−0·06	3	9·52	48.395
1250	9·8	43 26·28	−0·01	2·0565	·003	−0·002	42 33 40·5	−0·1	11·251	·25	−0·05	5	7·35	42.361
1251	8·3	3 43 37·01	...	+1·9992	+0·003	...	−44 6 57·6	...	+11·238	−0·25	...	3	8·58	44.393
1252	9·5	43 37·98	...	1·9053	·004	...	46 30 57·7	...	11·237	·24	...	3	8·92	46.352
1253	8·8	43 39·93	+0·01	1·9202	·004	+0·005	46 8 41·7	+0·1	11·234	·24	+0·05	3	8·90	46.353
1254	8·5	44 6·04	0·00	1·7132	·006	0·000	50 48 16·4	+0·1	11·203	·21	+0·09	3	9·33	50.489
1255	8·0	44 34·02	0·00	1·7321	·006	0·000	50 22 21·5	0·0	11·169	·21	+0·01	3	9·02	50.490
1256	9·0	3 44 42·85	+0·01	+1·9809	+0·004	+0·003	−44 30 32·6	0·0	+11·158	−0·24	0·00	3	8·04	44.395
1257	8·8*	44 47·07	−0·01	2·0858	·003	−0·002	41 37 2·4	0·0	11·153	·26	−0·01	5	6·96	41.395
1258	7·0*	45 14·33	+0·03	2·1157	·003	+0·009	40 42 22·6	0·0	11·120	·26	+0·01	5	6·92	40.368
1259	8·5*	45 17·01	0·00	1·7754	·005	+0·004	49 23 16·5	0·0	11·117	·22	−0·02	3	9·25	49.457
1260	8·8	45 21·37	0·00	1·8400	·005	+0·002	47 55 46·3	0·0	11·111	·23	+0·03	4	8·47	48.399
1261	9·0	3 45 37·36	...	+2·0976	+0·003	...	−41 12 16·2	...	+11·092	−0·26	...	5	7·03	41.397
1262	9·0	46 3·56	+0·02	1·9543	·004	+0·010	45 5 7·8	+0·1	11·060	·24	+0·04	3	8·04	45.370
1263	8·5	46 10·93	0·00	1·8079	·005	+0·002	48 35 38·1	0·0	11·051	·22	−0·03	3	9·02	48.401
1264	9·0	46 13·53	−0·01	1·8744	·004	−0·009	47 2 49·8	0·0	11·048	·23	+0·01	3	8·86	47.384
1265	9·3*	46 15·24	−0·02	2·0710	·003	−0·007	41 55 4·6	−0·2	11·046	·26	−0·05	5	6·95	41.398
1266	9·3	3 46 16·87	...	+1·6585	+0·007	...	−51 43 51·1	...	+11·044	−0·21	...	3	9·61	51.454
1267	7·2	46 26·23	−0·01	2·0306	·003	−0·004	43 1 51·2	−0·1	11·033	·25	−0·04	5	7·90	43.392
1268	9·0*	46 34·00	0·00	1·7077	·006	+0·005	50 43 0·5	0·0	11·023	·21	+0·02	4	9·63	50.501
1269	8·5*	46 45·66	−0·02	1·9999	·003	−0·008	43 50 11·0	−0·2	11·009	·25	−0·05	5	6·96	43.394
1270	9·1	46 48·10	0·00	1·7312	·006	+0·003	50 12 38·1	0·0	11·006	·22	−0·02	3	9·91	50.502
1271	7·0	3 46 49·63	0·00	+1·9280	+0·004	−0·002	−45 41 16·2	0·0	+11·004	−0·24	+0·01	3	8·60	45.372
1272	8·5	47 10·10	+0·05	2·0338	·003	+0·017	42 53 6·0	+1·7	10·979	·25	+0·58	5	6·99	42.366
1273	9·4	47 42·18	0·00	1·8737	·005	+0·001	46 56 37·7	+0·1	10·940	·23	+0·07	3	8·59	47.386
1274	9·2	47 42·55	+0·01	1·9553	·004	+0·005	44 55 25·2	0·0	10·940	·24	−0·02	3	8·03	45.374
1275	8·6	47 46·87	0·00	1·6729	·007	+0·003	51 19 29·0	−0·1	10·934	·21	−0·07	3	9·02	51.456
1276	8·0*	3 47 54·45	−0·01	+2·1192	+0·003	−0·002	−40 23 7·5	−0·1	+10·925	−0·26	−0·03	5	6·96	40.373
1277	9·7	47 54·60	...	1·7421	·006	...	49 53 22·5	...	10·925	·22	...	3	9·62	49.459
1278	8·1	48 0·48	0·00	1·7907	·005	−0·001	48 49 42·1	0·0	10·918	·22	+0·02	5	9·74	48.405
1279	9·7	48 0·50	...	1·7811	·005	...	49 2 22·0	...	10·918	·22	...	3	9·83	49.460
1280	9·3	48 36·49	0·00	1·9034	·004	+0·003	46 9 14·2	0·0	10·874	·24	−0·02	3	8·87	46.363

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1281	7·5	3 48 37·07	0·00	+1·8420	+0·005	−0·002	−47 36 59·5	+0·1	+10·873	−0·23	+0·05	3	8·32	47.388
1282	8·3	48 41·85	0·00	1 8904	·004	−0·003	46 27 42·5	0·0	10·867	·24	+0·01	3	8·61	46.364
1283	8·8	49 10·95	0·00	1·9686	·004	0·000	44 27 49·9	0·0	10·831	25	−0·02	3	8·32	44.404
1284	8·3	49 14 69	0·00	1·8712	·005	−0·004	46 52 43·9	0·0	10·827	·23	0·00	3	8·92	46.365
1285	8·0	49 26·05	0·00	1·9373	·004	−0·003	45 14 37·0	0·0	10·813	·24	−0·03	3	8·88	45.378
1286	8·3*	3 49 28·49	−0·01	+2·0492	+0·003	−0·003	−42 16 17·2	−0·2	+10·810	−0·26	−0·05	5	6·94	42.372
1287	9·6	49 39·70	...	1·6923	·006	...	50 47 4·3	...	10·796	·21	...	3	9·31	50.505
1288	9·5	49 52·75	0·00	1·9201	·004	−0·001	45 38 15·7	+0·1	10·780	·24	+0·07	3	8·59	45.381
1289	9·5	49 53·20	...	1·8134	·005	...	48 10 15·7	...	10·780	·23	...	3	9·52	48.412
1290	9·5	49 55·50	...	2·0396	·003	...	42 30 10·0	...	10·777	·26	...	5	7·16	42.373
1291	7·3	3 49 59·35	−0·01	+2·0745	+0·003	−0·002	−41 31 13·3	+0·2	+10·772	−0·26	+0·06	5	7·05	41.402
1292	7·3	50 27·40	0·00	1·8540	·005	+0·001	47 11 15·8	−0·1	10·737	·23	−0·05	3	8·02	47.389
1293	7·5*	50 27·42	−0·01	2·0029	·004	−0·003	43 27 29·4	−0·1	10·737	·25	−0·04	5	7·13	43.400
1294	9·4	50 42·62	0·00	2·0495	·003	+0·001	42 10 3·4	−0·1	10·719	·26	−0·02	5	7·21	42.374
1295	6·0	50 53·00	0·00	2·1021	·003	−0·001	40 39 3·9	−0·1	10·706	·26	−0·03	5	6·98	40.378
1296	9·2	3 51 20·43	−0·01	+1·7395	+0 006	−0·008	−49 40 28·6	0·0	+10·672	−0·22	+0·02	3	9·02	49.470
1297	7·3	51 30·37	−0·01	1·8708	·005	−0·003	46 42 34·6	−0·1	10·660	·24	−0·03	3	8·31	46.373
1298	9·7	51 40·69	...	1·8968	·004	...	46 4 12·3	...	10·647	·24	...	3	8·89	46.374
1299	9·3	51 49·32	0·00	1·7065	·006	+0·007	50 19 35·2	0·0	10·636	·22	+0·03	3	9·61	50.515
1300	9·2	52 2·31	0·00	1·7511	·006	−0·005	49 22 24·0	0·0	10·620	·22	−0·03	3	9·92	49.472
1301	8·5	3 52 10·24	0·00	+1·6708	+0·007	−0·005	−51 1 31·0	0·0	+10·610	−0·21	+0·03	3	9·52	51.460
1302	9·7	52 15·78	...	1·9673	·004	...	44 15 11·4	...	10·604	·25	...	3	8·92	44.406
1303	9·0	52 22·53	+0·01	2·0730	·003	+0·003	41 22 20·8	−0·1	10·595	·26	−0·03	5	7·15	41.408
1304	9·2	52 36·27	...	1·8204	·005	...	47 48 1·3	...	10·578	·23	...	3	8·87	47.393
1305	8·0	52 41·28	+0·01	2·0584	·003	+0·004	41 45 46·2	−0·1	10·572	·26	−0·02	5	7·37	41.409
1306	7·7	3 52 55·53	0·00	+1·9976	+0·004	−0·001	−43 24 17·7	−0·1	+10·554	−0·25	−0·07	5	7·91	43.404
1307	8·0	52 59·74	+0·01	1·9783	·004	+0·005	43 54 30·0	−0·1	10·549	·25	−0·04	8	7·34	43.405
1308	7·5	53 5·53	−0·02	1·8072	·005	−0·016	48 3 35·9	−0·1	10·542	·23	−0·15	3:2	9·02	48.418
1309	8·7	53 5·82	−0·01	2·0154	·004	−0·004	42 54 54·6	+0·1	10·542	·25	+0·02	5	7·40	42.378
1310	9·3	53 10·69	...	1·9029	·004	...	45 48 14·9	...	10·536	·24	...	3	8·91	45.387
1311	9·1	3 53 10·90	0·00	+1·8282	+0·005	−0·002	−47 34 34·4	+0·1	+10·535	−0·23	+0·05	3	8·60	47.395
1312	7·0	53 30·93	+0·01	2·1064	·003	+0·002	40 19 32·0	−0·1	10·510	·27	−0·05	5	7·15	40.387
1313	9·4	53 31·26	0·00	1·9380	·004	+0·002	44 54 15·7	0·0	10·510	·25	−0·03	3	8·87	44.410
1314	10·0	53 39·43	...	1·9178	·004	...	45 24 5·8	...	10·500	·24	...	3	8·93	45.389
1315	7·2*	53 53·90	0·00	1·7726	·006	−0·004	48 45 55·4	0·0	10·482	·22	−0·05	3	9·24	48.419
1316	9·4	3 54 15·03	...	+1·8156	+0·005	...	−47 46 52·5	...	+10·456	−0·23	...	3	8·91	47.396
1317	8·0	54 45·03	0·00	1·8621	·005	−0·001	46 39 59·6	−0·1	10·418	·24	−0·07	3	8·59	46.382
1318	9 5	54 45·56	...	1·9823	·004	...	43 40 3·2	...	10·418	·25	...	5	7·90	43.407
1319	9·0	55 0·28	+0·02	2·0390	·004	+0·006	42 7 34·3	+0·2	10·399	·26	+0·08	5	7·15	42.382
1320	8·5	55 4·09	0·00	2·0885	·003	+0·001	40 43 31·7	−0·1	10·395	·27	−0·05	5	7·01	40.391

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1321	8·0	3 55 17·01	0·00	+1·7819	+0·005	−0·001	−48 27 21·1	0·0	+10·379	−0·23	+0·01	3	9·02	48.422
1322	7·0	55 23·38	0·00	1·7143	·006	+0·001	49 53 45·9	0·0	10·371	·22	+0·02	3	9·52	49.481
1323	9·1	55 29·44	0·00	1·9451	·004	−0·002	44 34 32·9	0·0	10·363	·25	+0·01	3	8·90	44.414
1324	8·0	55 55·23	0·00	2·0345	·004	−0·001	42 10 49·9	−0·3	10·331	·26	−0·09	5	7·17	42.385
1325	10·0	56 4·30	...	1·8877	·005	...	45 57 18·4	...	10·320	·24	...	3	8·60	46.385
1326	8·1	3 56 9·58	0·00	+1·6380	+0·007	+0·002	−51 22 26·9	0·0	+10·313	−0·21	+0·03	3	9·90	51.472
1327	8·0	56 13·62	0·00	1·7445	·006	+0·006	49 11 51·3	0·0	10·308	·22	+0·03	3	9·32	49.484
1328	8·9	56 17·03	0·00	1·8413	·005	−0·003	47 2 21·9	−0·1	10·304	·24	−0·05	3	8·62	47.398
1329	7·7	56 40·05	0·00	2·0144	·004	0·000	42 40 20·6	−0·1	10·275	·26	−0·03	5	6·95	42.386
1330	9·2	57 7·00	0·00	1·6731	·007	−0·004	50 36 44·9	0·0	10·241	·21	+0·03	3	9·02	50.520
1331	8·3	3 57 7·52	+0·03	+2·0367	+0·004	+0·009	−42 1 45·6	−0·2	+10·240	−0·26	−0·07	5	7·19	42.388
1332	7·0	57 34·25	0·00	1·6081	·007	−0·004	51 50 45·2	0·0	10·207	·21	+0·03	3	9·24	51.480
1333	8·8	57 51·42	...	1·6974	·006	...	50 3 54·1	...	10·185	·22	...	3	9·90	50.525
1334	9·0	57 55·32	...	2·0527	·004	...	41 31 46·0	...	10·180	·26	...	5	7·17	41.420
1335	9·0	57 58·73	0·00	1·9156	·004	−0·001	45 7 46·3	−0·1	10·176	·25	−0·04	3	8·58	45.394
1336	7·8	3 58 11·29	0·00	+1·8618	+0·005	+0·001	−46 24 59·9	−0·1	+10·160	−0·24	+0·03	3	8·32	46.391
1337	9·6	58 16·30	...	2·0911	·003	...	40 24 53·1	...	10·154	·27	...	5	7·38	40.400
1338	9·0	58 19·31	+0·01	1·7871	·005	+0·006	48 6 58·6	0·0	10·150	·23	+0·02	3	9·02	48.427
1339	9·3	58 19·75	0·00	1·9805	·004	−0·001	43 27 2·3	+0·1	10·149	·25	+0·05	5	7·21	43.411
1340	9·8	58 23·34	...	1·8371	·005	...	46 58 55·6	...	10·145	·24	...	3	8·91	47.400
1341	9·0	3 58 35·45	+0·01	+2·0622	+0·003	+0·003	−41 12 57·7	0·0	+10·130	−0·26	+0·01	5	7·17	41.426
1342	8·7	58 45·82	0·00	1·6354	·007	+0·002	51 14 14·8	0·0	10·117	·21	+0·01	3	9·61	51.485
1343	8·8	59 8·28	0·00	1·9730	·004	−0·001	43 35 15·7	+0·2	10·089	·25	+0·06	5	7·19	43.413
1344	9·5	59 8·49	...	1·9526	·004	...	44 6 54·9	...	10·088	·25	...	3	8·30	44.421
1345	8·0	59 10·46	0·00	1·6568	·007	0·000	50 47 10·0	0·0	10·086	·21	+0·01	3	9·53	50.531
1346	8·0	3 59 17·74	−0·01	+2·0935	+0·003	−0·004	−40 16 19·3	−0·1	+10·077	−0·27	−0·04	5	7·18	40.405
1347	8·8	59 50·99	0·00	1·7364	·006	0·000	49 6 18·9	0·0	10·035	·22	−0·04	3	9·02	49.493
1348	7·0	4 0 3·78	0·00	1·7572	·006	−0·002	48 38 40·4	0·0	10·019	·23	0·00	3	9·62	48.433
1349	8·3	0 15·12	−0·01	1·9377	·004	−0·006	44 24 45·6	−0·1	10·004	·25	−0·04	3	8·58	44.426
1350	7·8	0 23·55	0·00	1·5936	·007	−0·002	51 55 20·4	0·0	9·994	·21	+0·02	6	9·72	51.491
1351	7·8	4 0 33·59	−0·01	+1·9130	+0·004	−0·007	−45 0 26·7	0·0	+ 9·981	−0·25	0·00	4	8·27	45.397
1352	9·3	0 36·13	...	1·7951	·005	...	47 46 32·8	...	9·978	·23	...	3	8·91	47.402
1353	9·4	0 40·82	...	2·0078	·004	...	42 33 24·3	...	9·972	·26	...	5	7·20	42.397
1354	8·3	0 50·77	0·00	1·6648	·007	0·000	50 30 33·5	0·0	9·959	·22	+0·01	3	9·02	50.535
1355	8·5	1 15·10	−0·01	2·0431	·004	−0·002	41 33 15·7	0·0	9·928	·26	+0·01	5	7·20	41.431
1356	9·7	4 1 19·89	...	+2·0922	+0·003	...	−40 9 54·0	...	+ 9·922	−0·27	...	5	7·91	40.411
1357	8·0	1 29·03	0·00	1·8619	·005	−0·004	46 10 28·3	0·0	9·911	·24	−0·02	3	8·87	46.395
1358	8·8	1 41·22	0·00	2·0191	·004	−0·001	42 10 55·4	+0·1	9·895	·26	+0·03	5	7·20	42.399
1359	9·0	2 14·42	−0·02	2·0678	·004	−0·006	40 47 49·7	0·0	9·853	·27	−0·01	5	7·23	40.412
1360	8·9	2 14·90	0·00	1·8025	·005	−0·002	47 29 35·9	0·0	9·853	·23	+0·02	3	8·61	47.404

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1361	9·0	4 2 17·30	0·00	+1·7749	+0·005	−0·004	−48 6 11·7	0·0	+9·850	−0·23	+0·03	3	9·02	48.442
1362	7·7	2 26·94	−0·01	1·8691	·005	−0·003	45 56 11·4	0·0	9·837	·24	0·00	5	8·21	46.396
1363	9·0	2 31·85	0·00	2·0274	·004	0·000	41 53 42·5	−0·1	9·831	·26	−0·04	5	7·23	41.434
1364	8·5	2 38·55	0·00	1·8198	·005	−0·004	47 4 15·5	+0·1	9·823	·24	+0·05	3	8·90	47.405
1365	7·9	2 39·49	+0·01	1·6000	·007	+0·007	51 38 41·3	+0·1	9·821	·21	+0·08	3	9·05	51.496
1366	8·8	4 3 1·64	0·00	+1·9975	+0·004	−0·001	−42 40 0·3	0·0	+9·793	−0·26	0·00	4	7·24	42.402
1367	9·0	3 18·24	...	1·7218	·006	...	49 10 20·7	...	9·772	·22	...	3	9·23	49.499
1368	7·0	4 1·95	0·00	1·6843	·006	+0·003	49 53 45·5	0·0	9·716	·22	+0·01	3	9·03	49.502
1369	8·3	4 2·06	0·00	1·8377	·005	+0·002	46 33 57·3	0·0	9·716	·24	−0·01	3	8·03	46.399
1370	8·9‖	4 4·98	...	1·7342	·006	...	48 51 24·5	...	9·713	·23	...	3	9·61	48.444
1371	9·6	4 4 11·41	−0·01	+1·9325	+0·004	−0·005	−44 15 54·9	+0·1	+9·704	−0·25	+0·05	3	8·59	44.435
1372	8·6	4 33·82	+0·01	2·0359	·004	+0·003	41 31 23·4	0·0	9·676	·26	0·00	5	7·20	41.441
1373	8·0	4 53·94	−0·02	1·9754	·004	−0·007	43 7 8·6	0·0	9·650	·26	0·00	11	7·21	43.422
1374	8·8	4 58·02	+0·01	2·0127	·004	+0·004	42 7 32·8	−0·2	9·645	·26	−0·06	5	7·16	42.408
1375	8·9	5 4·00	0·00	1·8806	·005	−0·002	45 28 55·4	0·0	9·637	·24	−0·01	3	8·32	45.402
1376	8·6	4 5 16·94	0·00	+1·6361	+0·007	−0·003	−50 46 23·6	0·0	+9·621	−0·21	−0·06	4	9·47	50.549
1377	8·0	5 17·05	0·00	1·7419	·006	0·000	48 36 33·9	−0·1	9·621	·23	−0·06	3	9·02	48.447
1378	9·0	5 22·93	...	1·7018	·006	...	49 26 49·4	...	9·613	·22	...	3	9·82	49.505
1379	7·0	5 27·72	+0·01	1·8521	·005	+0·005	46 7 44·5	0·0	9·607	·24	+0·01	3	8·30	46.402
1380	9·3	5 43·33	...	1·5907	·007	...	51 36 45·9	...	9·587	·21	...	3	9·92	51.502
1381	7·5*	4 5 45·54	−0·01	+1·7843	+0·005	−0·007	−47 39 27·2	0·0	+9·584	−0·23	+0·02	3	8·90	47.410
1382	10·0	5 56·66	...	1·8379	·005	...	46 25 45·6	...	9·570	·24	...	3	8·90	46.403
1383	9·4	5 57·40	...	1·6489	·007	...	50 28 38·7	...	9·569	·22	...	3	9·90	50.550
1384	8·4	6 13·09	0·00	1·7329	·006	+0·005	48 44 19·8	0·0	9·549	·23	−0·01	3	9·04	48.450
1385	9·0*	6 20·29	+0·01	2·0300	·004	+0·002	41 33 55·5	−0·1	9·540	·26	−0·04	5	6·96	41.444
1386	8·9	4 6 22·58	...	+1·9415	+0·004	...	−43 53 12·7	...	+9·537	−0·25	...	5	7·05	43.424
1387	8·6	6 42·43	−0·01	2·0061	·004	−0·005	42 11 7·8	−0·2	9·511	·26	−0·08	5	7·23	42.410
1388	9·1	6 47·86	0·00	1·6756	·006	+0·001	49 53 12·4	0·0	9·504	·22	+0·04	3	9·32	49.509
1389	9·7†	6 53·83	...	1·9348	·004	...	44 1 18·4	...	9·497	·25	...	3	8·03	44.437
1390	8·0	6 54·60	−0·02	1·9792	·004	−0·009	42 52 58·2	−0·1	9·495	·26	−0·02	5	7·23	42.412
1391	8·7	4 7 25·21	−0·01	+1·8617	+0·005	−0·003	−45 46 15·2	−0·2	+9·456	−0·24	−0·13	3	8·31	45.407
1392	7·3	8 3·30	−0·02	1·7981	·005	−0·008	47 11 46·9	−0·3	9·407	·24	−0·14	3	8·03	47.413
1393	9·3	8 44·15	...	2·0733	·004	...	40 12 8·3	...	9·354	·27	...	5	7·17	40.426
1394	8·8	8 51·05	...	1·7484	·006	...	48 13 59·9	...	9·346	·23	...	3	9·02	48.458
1395	9·6	8 51·84	...	2·0145	·004	...	41 48 59·7	...	9·345	·26	...	5	7·22	41.447
1396	8·9	4 9 5·09	−0·01	+1·8800	+0·005	−0·003	−45 13 31·5	−0·1	+9·328	−0·25	−0·04	3	8·05	45.413
1397	9·0	9 8·30	−0·01	1·9720	·004	−0·005	42 55 24·4	0·0	9·323	·26	−0·01	5	7·21	42.417
1398	8·5	9 16·82	0·00	1·6997	·006	+0·003	49 13 55·9	0·0	9·312	·22	−0·06	3	9·33	49.514
1399	7·0	9 20·65	0·00	1·9040	·004	+0·001	44 37 24·6	0·0	9·308	·25	0·00	3	8·60	44.444
1400	8·4	9 32·33	0·00	1·8621	·005	0·000	45 37 21·0	0·0	9·292	·24	+0·01	3	8·92	45.415

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1401	8·7	4 9 33·57	0·00	+1·8906	+0·004	+0·004	−44 56 10·2	0·0	+9·291	−0·25	+0·02	3	8·89	45.414
1402	9·5	9 35·31	...	1·9170	·004	...	44 17 18·3	...	9·289	·25	...	3	8·90	44.446
1403	8·7	9 46·61	0·00	1·7647	·006	+0·001	47 49 14·7	0·0	9·274	·23	+0·01	4	8·92	47.420
1404	9·6	9 56·52	...	1·9731	·004	...	42 50 32·1	...	9·261	·26	...	5	7·57	42.421
1405	9·3	10 3·76	...	1·9462	·004	...	43 31 28·9	...	9·252	·26	...	5	7·19	43.426
1406	6·5	4 10 9·93	0·00	+2·0555	+0·004	−0·001	−40 36 42·3	0·0	+9·244	−0·27	0·00	5	7·01	40.433
1407	8·5	10 15·93	−0·01	2·0176	·004	−0·004	41 38 30·8	−0·3	9·236	·27	−0·09	5	7·21	41.451
1408	8·9	10 23·49	...	1·7300	·006	...	48 31 31·6	...	9·226	·23	...	3	9·02	48.463
1409	9·5	10 35·56	...	1·6382	·007	...	50 23 7·3	...	9·211	·22	...	3	9·90	50.563
1410	4·0*	10 41·27	+0·01	1·9828	·004	+0·003	42 32 26·7	−0·6	9·203	·26	−0·23	5	7·23	42.424
1411	9·3	4 10 43·93	−0·01	+1·8237	+0·005	−0·004	−46 26 18·9	0·0	+9·200	−0·24	+0·02	3	8·03	46.408
1412	8·9	10 55·14	0·00	1·6138	·007	0·000	50 50 18·4	0·0	9·185	·21	0·00	3	9·63	50.565
1413	7·5	11 6·65	+0·01	2·0339	·004	+0·003	41 8 37·4	−0·2	9·170	·27	−0·06	5	7·19	41.455
1414	7·5	11 11·67	0·00	1·5593	·008	−0·004	51 50 44·6	0.0	9·164	·21	+0·02	3	9·90	51.520
1415	8·6	11 17·84	0·00	1·6638	·006	0·000	49 49 58·3	0·0	9·156	·22	−0·04	3	9·31	49.521
1416	8·7	4 11 21·23	−0·01	+1·8806	+0·005	−0·008	−45 3 44·7	+0·1	+9·151	−0·25	+0·04	3	8·32	45.422
1417	8·4	11 35·91	−0·01	2·0632	·004	−0·002	40 18 22·5	−0·1	9·132	·27	−0·05	5	7·23	40.438
1418	9·5	11 52·16	...	1·9900	·004	...	42 16 35·5	...	9·111	·26	...	5	7·75	42.429
1419	9·6	12 33·60	...	1·5956	·007	...	51 5 2·5	...	9·057	·21	...	3	9·61	51.522
1420	9·1	12 39·80	+0·05	1·8282	·005	+0·026	46 12 50·5	−0·2	9·049	·24	−0·11	3	8·03	46.412
1421	9·3	4 12 48·45	...	+1·7648	+0·005	...	−47 37 26·1	...	+9·038	−0·23	...	3	8·61	47.423
1422	8·5	12 52·50	−0·01	1·9645	·004	−0·005	42 52 29·1	0·0	9·033	·26	−0·01	5	7·16	42.430
1423	9·0	13 9·33	−0·01	2·0309	·004	−0·005	41 6 1·7	0·0	9·011	·27	−0·01	5	7·20	41.460
1424	8·6	13 26·94	+0·01	1·8919	·005	+0·006	44 39 22·4	0·0	8·988	·25	−0·03	3	8·90	44.454
1425	8·7	13 27·45	0·00	1·8507	·005	+0·003	45 38 17·5	0·0	8·987	·25	−0·01	3	8·91	45.426
1426	8·3	4 13 40·37	+0·01	+1·7753	+0·005	+0·003	−47 20 31·7	−0·1	+8·970	−0·24	−0·07	3	8·03	47.425
1427	9·5	13 48·01	...	1·6376	·007	...	50 11 49·6	...	8·960	·22	...	3	9·90	50.569
1428	9·1	13 48·06	...	1·6957	·006	...	49 1 40·4	...	8·960	·23	...	5	9·21	49.528
1429	8·3	14 1·64	0·00	1·7079	·006	+0·002	48 45 41·3	0·0	8·943	·23	−0·02	3	9·62	48.475
1430	8·0	14 4·10	0·00	1·5496	·008	+0·004	51 50 48·7	0·0	8·940	·21	−0·05	3	9·63	51.528
1431	8·5*	4 14 40·04	−0·02	+2·0099	+0·004	−0·005	−41 34 19·5	−0·2	+8·893	−0·27	−0·07	5	7·00	41.466
1432	7·7	14 55·77	0·00	1·8359	·005	+0·001	45 53 44·3	+0·2	8·872	·24	+0·08	3	8·04	45.432
1433	8·8	15 7·81	−0·01	1·7105	·006	−0·012	48 38 20·5	0·0	8·856	·23	+0·03	3	9·04	48.478
1434	9·0	15 18·64	...	1·6575	·006	...	49 42 38·2	...	8·842	·22	...	3	9·32	49.534
1435	9·1	15 21·70	...	1·9012	·004	...	44 18 39·3	...	8·838	·25	...	3	8·91	44.460
1436	9·0	4 15 24·06	−0·01	+1·9372	+0·004	−0·005	−43 25 0·8	−0·1	+8·835	−0·26	−0·04	5	7·92	43.433
1437	8·8	15 39·33	−0·01	1·9187	·004	−0·003	43 51 49·7	+0·1	8·815	·26	+0·05	5	7·19	43.434
1438	9·4	15 43·39	0·00	1·7900	·005	−0·004	46 53 25·8	+0·1	8·810	·24	+0·05	3	8·93	46.415
1439	9·0	15 45·11	+0·01	1·9917	·004	+0·002	41 59 25·5	−0·2	8·807	·26	−0·06	5	7·20	42.439
1440	9·0	16 3·18	0·00	1·9831	·004	0·000	42 11 56·5	−0·5	8·784	·26	−0·18	5	7·24	42.441

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			
1441	5·5*	4 16 6·74	+0·01	+1·8913	+0·005	+0·004	−44 30 26·5	−0·1	+8·779	−0·25	−0·05	3	8·33	44.464
1442	8·7	16 7·23	−0·01	1·6363	·007	−0·007	50 4 47·4	0·0	8·778	·22	−0·02	3	9·03	50.573
1443	7·5	16 12·34	0·00	1·7466	·006	+0·003	47 48 31·2	0·0	8·772	·23	−0·01	3	8·91	47.426
1444	9·0	16 38·75	...	1·9540	·004	...	42 54 56·1	...	8·737	·26	...	5	7·75	42.446
1445	9·1	16 53·02	...	1·5939	·007	...	50 51 13·5	...	8·718	·21	...	3	9·03	50.574
1446	8·9	4 17 52·27	0·00	+1·7568	+0·005	+0·002	−47 29 19·2	0·0	+8·641	−0·23	+0·02	3	8·04	47.428
1447	9·5	18 6·83	...	1·8787	·005	...	44 41 26·6	...	8·621	·25	...	3	8·91	44.468
1448	7·8	18 9·26	0·00	1·8538	·005	−0·002	45 16 49·6	0·0	8·618	·25	−0·04	3	8·93	45.440
1449	7·2	18 15·52	−0·01	1·6816	·006	−0·008	49 2 51·5	0·0	8·610	·23	−0·02	3	9·03	49.537
1450	7·5	18 18·53	0·00	1·5667	·007	−0·003	51 16 51·2	0·0	8·606	·21	+0·02	3	9·32	51.533
1451	8·3	4 18 25·12	+0·03	+1·9530	+0·004	+0·011	−42 50 0·8	0·0	+8·597	−0·26	−0·01	5	7·18	42.449
1452	9·3	18 25·21	+0·01	1·7740	·005	+0·009	47 4 52·2	+0·2	8·597	·24	+0·14	3	8·92	47.429
1453*	8·0	18 31·78	0·00	1·9452	·004	+0·001	43 1 30·3	+0·2	8·589	·26	+0·08	5	7·05	43.439
1454	9·0	18 32·00	...	1·6963	·006	...	48 43 48·3	...	8·588	·23	...	3	9·90	48.485
1455	8·0	18 33·41	0·00	2·0057	·004	0·000	41 27 10·2	−0·2	8·586	·27	−0·06	5	7·23	41.473
1456	9·4	4 19 0·45	...	+1·6548	+0·006	...	−49 32 34·7	...	+8·551	−0·22	...	3	9·92	49.540
1457	9·0	19 7·73	0·00	1·6190	·007	−0·003	50 14 21·4	0·0	8·541	·22	+0·03	3	9·90	50.579
1458	8·6	19 12·32	0·00	1·9029	·005	0·000	44 2 26·2	+0·1	8·535	·25	+0·06	5	8·57	44.472
1459	9·5	19 38·08	...	1·7923	·005	...	46 36 11·7	...	8·501	·24	...	3	8·93	46.420
1460	9·1	19 44·40	−0·01	1·8310	·005	−0·006	45 43 4·8	0·0	8·493	·25	−0·02	3	8·33	45.443
1461	9·5	4 19 58·62	...	+1·9620	+0·004	...	−42 30 44·6	...	+8·474	−0·26	...	5	7·23	42.453
1462	9·1	20 1·24	−0·01	2·0544	·004	−0·002	40 2 33·2	+0·3	8·470	·27	+0·09	5	7·21	40.462
1463	8·3	20 1·50	0·00	2·0014	·004	−0·001	41 28 48·8	−0·2	8·470	·27	−0·06	5	7·24	41.481
1464	9·0	20 12·70	−0·01	2·0327	·004	−0·003	40 37 35·5	0·0	8·455	·27	+0·01	5	7·76	40.464
1465	9·2	20 32·03	−0·01	1·9723	·004	−0·002	42 12 48·3	−0·2	8·430	·26	−0·06	5	7·42	42.454
1466	8·0	4 20 33·03	−0·01	+1·9141	+0·004	−0·005	−43 41 9·9	−0·1	+8·428	−0·26	−0·04	5	7·41	43.443
1467	8·5	21 1·40	0·00	2·0153	·004	+0·001	41 3 25·9	0·0	8·391	·27	−0·01	5	7·04	41 482
1468	7·3	21 18·39	−0·01	1·7758	·005	−0·004	46 52 25·2	0·0	8·369	·24	−0·02	4	8·27	46.424
1469	8·3	21 21·62	0·00	1·8891	·005	−0·002	44 14 59·8	0·0	8·364	·25	−0·01	3	8·62	44.477
1470	9·1	21 26·69	...	1·7382	·006	...	47 40 53·0	...	8·357	·23	...	3	8·92	47.437
1471	9·1	4 21 28·59	...	+1·6666	+0·006	...	−49 9 52·9	...	+8·355	−0·22	...	3	9·03	49.545
1472	9·0	21 34·57	...	1·7047	·006	...	48 22 48·7	...	8·347	·23	...	3	9·90	48.491
1473	9·4	22 8·54	...	1·9287	·004	...	43 13 51·6	...	8·302	·26	...	5	7·93	43.448
1474	7·0	22 10·45	0·00	1·8814	·005	−0·001	44 23 23·3	+0·1	8·299	·25	+0·06	3	8·63	44.478
1475	9·1	22 12·77	−0·01	1·9014	·005	−0·005	43 54 7·2	+0·1	8·296	·26	+0·04	5	7·23	43.450
1476	7 8	4 22 13·22	0·00	+1·5781	+0·007	−0·012	−50 50 44·1	0·0	+8·296	−0·21	−0·13	3	9·90	50.587
1477	8·0	22 15·04	−0·02	2·0491	·004	−0·006	40 3 47·9	0·0	8·293	·28	0·00	6	7·20	40.476
1478	9·5	22 28·12	...	1·8212	·005	..	45 47 11·5	...	8·276	·25	...	3	8·05	45.454
1479	9·1	22 30·10	+0·01	2·0124	·004	+0·002	41 2 42·0	+0·1	8·273	·27	+0·03	5	7·24	41 484
1480	7·7	22 40·95	0·00	1·8511	·005	−0·003	45 4 49·1	0·0	8·259	·25	−0·01	3	8·63	45.457

1453. $8^{m}\cdot2$, $10^{m}\cdot4$ 2″·4 148° No note of duplicity.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1481	8·9	4 22 41·07	−0·01	+1·7153	+0·006	−0·007	−48 5 45·8	0·0	+8·259	−0·23	−0·03	3	9·03	48.492
1482	10·0	22 52·00	...	1·7321	·006	...	47 43 44·9	...	8·244	·23	...	3	8·92	47.439
1483	9·0	23 21·86	0·00	1·5166	·008	−0·005	51 54 36·9	0·0	8·205	·21	+0·01	3	9·90	51.542
1484	9·5	23 39·77	...	1·8573	·005	...	44 52 43·7	...	8·181	·25	...	3	8·05	44.481
1485	9·5	23 42·55	+0·02	1·9437	·004	+0·006	42 45 52·0	+0·3	8·177	·26	+0·09	5	7·22	42.463
1486	9·0	4 23 51·84	...	+1·5490	+0·007	...	−51 17 44·0	...	+8·165	−0·21	...	3	9·93	51.544
1487	8·4	23 53·89	0·00	1·9392	·004	+0·001	42 52 6·7	0·0	8·162	·26	0·00	5	7·23	42.465
1488	9·1	23 55·48	...	1·7907	·005	...	46 23 41·9	...	8·160	·24	...	3	8·06	46.428
1489	9·3	23 58·64	...	1·6090	·007	...	50 9 37·0	...	8·155	·22	...	3	9·03	50.591
1490	6·5*	24 9·51	0·00	1·7552	·005	+0·004	47 9 46·0	−0·3	8·141	·24	−0·29	3	8·91	47.441
1491	7·3	4 24 10·42	−0·02	+2·0220	+0·004	−0·007	−40 41 44·1	0·0	+8·140	−0·27	0·00	5	7·24	40.486
1492	8·8	24 34·12	...	1·7702	·005	...	46 48 40·7	...	8·108	·24	...	3	8·63	46.429
1493	9·1	24 37·29	0·00	1·6791	·006	−0·005	48 44 14·6	0·0	8·104	·23	+0·04	3	9·90	48.494
1494	9·2	24 47·84	0·00	1·9191	·004	−0·002	43 19 23·8	0·0	8·090	·26	−0·01	5	7·93	43.453
1495	9·1	24 50·07	...	1·9908	·004	...	41 29 18·7	...	8·087	·27	...	5	7·23	41.495
1496	7·3	4 24 52·96	−0·01	+1·9642	+0·004	−0·005	−42 10 51·1	0·0	+8·083	−0·27	−0·01	5	7·22	42.469
1497	9·0	24 54·30	0·00	1·6548	·006	+0·001	49 12 44·3	0·0	8·081	·22	+0·02	3	9·03	49.550
1498	8·6	25 1·42	−0·01	1·8176	·005	−0·005	45 43 37·2	0·0	8·072	·25	+0·02	3	8·03	45.464
1499	8·3	26 12·33	−0·01	1·9383	·004	−0·002	42 46 0·3	−0·3	7·977	·26	−0·09	5	7·05	42.480
1500	7·0	26 22·39	0·00	1·7693	·005	+0·001	46 44 3·2	0·0	7·964	·24	+0·02	3	8·02	46.433
1501	9·1	4 26 35·18	−0·01	+1·5377	+0·007	−0·013	−51 21 22·0	0·0	+7·947	−0·21	−0·03	3	9·03	51.549
1502	9 4	26 50·06	+0·01	1·9640	·004	+0·005	42 4 45·1	−0·1	7·927	·27	−0·03	5	7·24	42.484
1503	8·8	26 52·43	0·00	1·6803	·006	+0·007	48 35 23·7	0·0	7·924	·23	−0·03	3	9·33	48.496
1504	7·6	26 58·15	−0·02	1·9716	·004	−0·006	41 52 33·2	0·0	7·916	·27	+0·01	5	7·23	41.504
1505	8·9	27 16·51	...	1·5649	·007	...	50 49 6·6	...	7·891	·21	...	3	9·91	50.598
1506	7·5	4 27 19·23	−0·02	+1·9011	+0·004	−0·006	−43 37 36·5	0·0	+7·888	−0·26	0·00	10	7·40	43.464
1507	8·1	27 23·21	0·00	1·6982	·006	−0·004	48 11 42·3	0·0	7·882	·23	0·00	3	9·63	48.497
1508	9·0	27 39·43	−0·01	2·0380	·004	−0·002	40 4 31·9	+0·2	7·861	·28	+0·09	5	7·23	40.500
1509	5·5*	27 46·26	−0·01	1·8354	·005	−0·003	45 10 5·8	0·0	7·851	·25	−0·01	3	8·02	45.471
1510	8·6	27 54·55	0·00	1·8641	·005	−0·002	44 29 12·3	+0·1	7·840	·25	+0·06	3	8·05	44.496
1511	8·4	4 28 3·35	−0·02	+1·8171	+0·005	−0·014	−45 34 29·9	+0·1	+7·828	−0·25	+0·07	3	8·63	45.475
1512	9·1	28 6·71	+0·04	1·9374	·004	+0·013	42 40 5·5	+0·2	7·824	·26	+0·07	5	7·23	42.491
1513	9·0	28 8·89	−0·01	1·8679	·005	−0·007	44 22 58·3	+0·1	7·821	·25	+0·05	3	8·92	44.497
1514	8·8	28 10·89	...	1·7640	·005	...	46 45 10·7	...	7·818	·24	..	3	8·64	46.440
1515	9·0	29 3·87	0·00	1·6269	·006	−0·001	49 32 30·7	+0·3	7·747	·22	+0·35	3	9·02	49.553
1516	8·0	4 29 12·95	+0·02	+2 0222	+0·004	+0·005	−40 25 10·5	0·0	+7·735	−0·28	−0·01	5	6·85	40.507
1517	9·0	29 16·71	+0·02	1·9762	·004	+0·009	41 37 58·7	−0·1	7·730	·27	−0·02	5	7·23	41.518
1518	8·3	29 24 95	0·00	1·5940	·007	−0·002	50 9 36·1	0·0	7·719	·22	−0·02	3	9·34	50.603
1519	8·8	29 27·03	−0·01	1·8958	·004	−0·002	43 38 42·9	+0·1	7·716	·26	+0·05	5	7·22	43.470
1520	9·4	29 36·21	0·00	1·7829	·005	0·000	46 15 44·3	+0·1	7·704	·24	+0·04	3	8·02	46.442

No.	Mag.	Mean R.A. 1900·0	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·00.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1521	8·8	4 29 36·51	−0·01	+1·7170	+0·006	−0·005	−47 41 6·5	0·0	+7·703	−0·23	0·00	3	8·05	47.452
1522	9·3	29 49·86	...	1·7291	·006	...	47 25 13·0	...	7·685	·24	...	3	8·34	47.453
1523	8·9	30 3·79	0·00	1·5645	·007	+0·001	50 40 52·0	0·0	7·667	·21	−0·06	3	9·92	50.606
1524	9·3	30 12·02	0·00	1·4933	·008	0·000	51 57 52·7	0·0	7·655	·20	+0·05	3	9·32	52.528
1525	9·0	30 28·67	0·00	1·9938	·004	+0·001	41 6 51·0	+0·1	7·633	·27	+0·02	5	7·21	41.522
1526	9·0	4 30 39·83	−0·01	+1·7406	+0·005	−0·003	−47 7 47·0	+0·1	+7·618	−0·24	+0·05	3	8·02	47.456
1527	8·5	30 51·53	+0·02	1·8893	·004	+0·005	43 43 48·6	−0·1	7·602	·26	−0·03	5	6·86	43.472
1528	9·4	30 54·54	...	1·6846	·006	...	48 17 31·3	...	7·598	·23	...	3	9·34	48.505
1529	9·3	31 3·43	...	1·6472	·006	...	49 2 22·7	...	7·586	·23	...	3	9·61	49.557
1530	9·7	31 10·84	...	1·5319	·007	...	51 13 30·5	...	7·576	·21	...	3:2	9·93	51.558
1531	9·1	4 31 25·21	...	+1·8286	+0·005	...	−45 8 12·5	...	+7·557	−0·25	...	3	8·05	45.483
1532	8·0	31 29·95	+0·01	1·9483	·004	+0·004	42 14 6·8	−0·2	7·550	·27	−0·05	5	6·82	42.499
1533	9·1	31 41·47	+0·01	2·0250	·004	+0·003	40 13 15·1	−0·1	7·535	·28	−0·04	5	7·22	40.512
1534	8·6	31 47·08	+0·02	1·9660	·004	+0·007	41 46 6·9	−0·2	7·527	·27	−0·06	5	7·23	41.530
1535	9·3	32 8·25	+0·01	1·8669	·005	+0·004	44 12 11·1	0·0	7·498	·26	−0·02	3	8·05	44.503
1536	9·4	4 32 29·88	...	+1·5585	+0·007	...	−50 40 15·7	...	+7·469	−0·21	...	3	9·61	50.610
1537	9·0	32 59·65	0·00	1·8806	·004	−0·001	43 49 47·0	+0·1	7·429	·26	+0·06	5	7·93	43.480
1538	7·7	33 1·98	+0·01	1·8162	·005	+0·003	45 20 22·2	+0·1	7·426	·25	+0·04	3	8·04	45.487
1539	8·7	33 29·05	0·00	1·7642	·005	+0·001	46 28 42·2	0·0	7·389	·24	−0·01	3	8·06	46.448
1540	9·2	33 37·51	...	1·9743	·004	...	41 27 47·5	...	7·378	·27	...	5	7·93	41.540
1541	6·5	4 34 3·88	0·00	+1·9496	+0·004	+0·001	−42 4 28·8	+0·1	+7·342	−0·27	+0·04	5	7·93	42.507
1542	8·5	34 4·55	0·00	1·6228	·006	0·000	49 22 20·1	0·0	7·341	·22	−0·03	3	9·60	49.561
1543	9·8	34 7·75	...	1·7214	·005	...	47 21 58·7	...	7·337	·24	...	3	8·33	47.460
1544	8·9	34 8·71	−0·01	1·9094	·004	−0·002	43 4 31·6	0·0	7·335	·26	0·00	5	7·22	43.483
1545	9·0	34 39·59	...	1·5903	·007	...	49 58 13·3	...	7·293	·22	...	3	9·92	50.617
1546	9·3	4 34 56·81	...	+1·7892	+0·005	...	−45 51 9·9	...	+7·270	−0·25	...	3	8·06	45.495
1547	8·9	34 57·66	0·00	1·6648	·006	−0·001	48 29 36·6	0·0	7·269	·23	−0·01	3	9·62	48.516
1548	8·8	35 3·68	0·00	1·9975	·004	0·000	40 47 17·9	+0·1	7·261	·27	+0·03	5	7·23	40.532
1549	7·9	35 6·46	0·00	1·8342	·005	−0·004	44 49 31·0	0·0	7·257	·25	+0·01	3	8·92	44.505
1550	9·4	35 15·62	...	1·9286	·004	...	42 32 53·2	...	7·245	·26	...	5	7·22	42.512
1551	9·4	4 35 44·80	0·00	+2·0209	+0·004	0·000	−40 7 56·5	−0·3	+7·205	−0·28	−0·12	5	7·24	40.539
1552	8·9	36 1·69	+0·02	1·9519	·004	+0·007	41 55 20·0	0·0	7·182	·27	0·00	5	7·23	41.544
1553	8·9	36 13·40	...	1·6901	·006	...	47 55 5·4	...	7·166	·23	...	3	8·05	47.464
1554	8·8	36 23·65	...	1·4944	·007	...	51 38 46·7	...	7·152	·21	...	3	9·60	51.571
1555	9·1	36 29·20	0·00	1·5481	·007	−0·007	50 40 26·8	0·0	7·144	·21	−0·06	3	9·92	50.620
1556	8·7	4 36 35·71	0·00	+1·8838	+0·004	+0·001	−43 34 45·4	+0·2	+7·136	−0·26	+0·06	5	7·05	43.490
1557	8·6	36 40·94	+0·01	1·8126	·005	+0·005	45 14 29·0	0·0	7·128	·25	+0·02	3	8·07	45.498
1558	8·5	37 22·63	0·00	1·7552	·005	0·000	46 29 8·4	−0·1	7·072	·24	−0·03	3	8·05	46.455
1559	9·9	37 25·78	...	1·5177	·007	...	51 11 2·3	...	7·067	·21	...	3	9·91	51.575
1560	8·5	37 44·09	+0·03	1·9179	·004	+0·010	42 41 35·9	+0·3	7·042	·26	+0·11	5	7·05	42.514

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1561	7·0	4 37 49 27	0·00	+1·6462	+0·006	−0·002	−48 43 52·4	0·0	+ 7·035	−0·23	+0·02	3	9·03	48.524
1562*	8·3	38 5·38	−0·01	1·7806	·005	−0·007	45 53 47·3	0·0	7·013	·25	+0·01	3	8·04	45.503
1563	8·7	38 22·91	+0·01	1·8589	·005	+0·003	44 5 18·8	−0·1	6·989	·26	−0 06	3	8·05	44.509
1564	9·0	38 25·12	...	1·8960	·004	...	43 11 56·0	...	6·986	·26	...	5	7·93	43.491
1565	9·0	38 27·06	+0·01	1·9315	·004	+0·005	42 19 17·6	+0·1	6·984	·27	+0·05	5	7·06	42.519
1566	9·0	4 39 1·99	+0·02	+1·9630	+0·004	+0·006	−41 29 52·2	+0·1	+ 6·936	−0·27	+0·04	5	6·99	41.557
1567	9·8	39 2·13	...	1·4724	·007	...	51 54 57·0	...	6·936	·20	...	3	9·91	51.579
1568*	7·5	39 3·93	−0·01	1·6789	·006	−0·009	48 0 51·9	0·0	6·933	·23	−0·04	5	9·22	48.530
1569	8·8	39 10·12	0·00	1·8319	·005	−0·002	44 41 3·7	+0·1	6·925	·25	+0·06	3	8·05	44.512
1570	9·3	39 32·89	...	1·5994	·006	...	49 34 7·1	...	6·894	·22	...	3	9·62	49.571
1571	9·5	4 39 40·37	...	+1·9863	+0·004	...	−40 51 59·9	...	+ 6·883	−0·27	...	5	7·23	40.560
1572	9·3	39 55·57	0·00	1·7944	·005	−0·001	45 30 9·2	+0·1	6·862	·25	+0·07	3	8·05	45.509
1573	8·6	40 1·03	...	1·6935	·006	...	47 40 17·0	...	6·855	·24	...	3	8·03	47.474
1574	5·5*	40 12·61	−0·01	1·5390	·007	−0·006	50 40 9·1	0·0	6·839	·21	+0·04	3	9·04	50.626
1575	8·0*	40 16·92	−0·02	1·9434	·004	−0·006	41 56 22·0	−0·2	6·833	·27	−0·06	5	6·61	41.562
1576	9·5	4 40 24·29	...	+1·9060	+0·004	...	−42 51 44·4	...	+ 6·823	−0·26	...	5	7·24	42.524
1577	8·5	40 26·54	−0·01	1·7415	·005	−0·004	46 38 24·1	+0·1	6·820	·24	+0·04	3	8·05	46.469
1578	7·0	40 27·00	0·00	1·9701	·004	−0·001	41 15 2·7	0·0	6·819	·27	+0·01	5	7·23	41.564
1579	7·9	40 29·27	0·00	1·7052	·005	−0·002	47 24 25·8	−0·1	6·816	·24	−0·05	3	8·63	47.476
1580	9·0	40 38·30	−0·01	1·6252	·006	−0·011	49 1 13·8	0·0	6·804	·23	0·00	3	9·32	49.573
1581	9·2	4 40 59·63	...	+1·8041	+0·005	...	−45 14 11·8	...	+ 6·775	−0·25	...	3	8·07	45.512
1582	8·6	41 0·99	0·00	1·5694	·006	−0·003	50 4 24·6	0·0	6·773	·22	+0·02	3	9·91	50.628
1583	7·5	41 4·34	0·00	1·6494	·006	−0·002	48 31 10·4	+0·2	6·768	·23	+0·26	3	9·04	48.535
1584	9·1	41 27·97	+0·01	1·9279	·004	+0·003	42 16 32·9	−0·1	6·736	·27	−0·05	5	7·23	42.527
1585	8·5*	41 36·69	−0·02	1·9411	·004	−0·006	41 56 17·1	−0·1	6·724	·27	−0·04	5	6·61	41.567
1586	9·0	4 41 40·29	...	+1·8899	+0·004	...	−43 12 2·1	...	+ 6·719	−0·26	...	5	7·93	43.493
1587	9·4	41 40·36	...	1·8741	·004	...	43 34 51·8	...	6·719	·26	...	5	7·25	43.494
1588	7·9	41 45·77	−0·01	1·8246	·005	−0·004	44 44 4·1	0·0	6·711	·25	−0·01	3	8·02	44.524
1589	8·5	41 51·12	+0·05	1·6933	·005	+0·025	47 35 35·2	−0·2	6·704	·24	−0·10	3	8·05	47.480
1590	8·1	42 18·92	−0·01	1·4901	·007	−0·006	51 27 29·6	−0·1	6·666	·21	−0·13	3	9·03	51.585
1591	8·7	4 42 32·43	+0·02	+1·8514	+0·005	+0·011	−44 4 43·8	0·0	+ 6·647	−0·26	+0·01	3	8·06	44.525
1592	9·3	42 58·53	+0·01	2·0101	·004	+0·003	40 5 35·6	0·0	6·611	·28	0·00	5	7·17	40.566
1593	8·8	43 1·36	0·00	1·7703	·005	+0·001	45 54 0·1	0·0	6·607	·25	+0·02	3	8·02	45.516
1594	7·6	43 7·42	−0·05	1·5552	·006	−0·050	50 14 42·5	−0·3	6·599	·22	−0·34	3	9·04	50.637
1595	8·9	43 11·08	...	1·9647	·004	...	41 16 14·5	...	6·594	·27	...	5	7·22	41.569
1596	8·4	4 43 25·53	0·00	+1·5242	+0·007	+0·003	−50 48 1·6	0·0	+ 6·574	−0·21	−0·02	3	9·02	50.638
1597*	Var.	43 29·15	0·00	1·5977	·006	+0·004	49 25 34·2	+0·1	6·569	·22	+0·07	3	9·08	49.577
1598	8·5	43 32·84	−0·01	1·9031	·004	−0·002	42 47 46·7	−0·1	6·564	·26	−0·03	5	6·64	42.533
1599	9·2	43 42·27	...	1·6468	·006	...	48 27 25·3	...	6·551	·23	...	3	9·64	48.541
1600	8·3	44 36·42	−0·01	1·7267	·005	−0·007	46 46 28·0	−0·2	6·476	·24	−0·10	3	8·02	46.481

1562. $9^m·0$, $9^m·1$ 2″·7 96° Probably mass observed.
1568. $7^m·5$, $10^m·0$ 3″·6 230° Probably bright star observed.

1597. L = $7^m·2$ and $8^m·6$: P = 160^d, but irregular.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1601	9·3	4 44 43·15	+0·01	+2·0050	+0·004	+0·002	−40 9 27·5	+0·3	+6·467	−0·28	+0·11	5	7·03	40.574
1602	9·0	44 46·81	0·00	1·9305	·004	+0·001	42 3 53·3	−0·4	6·462	·27	−0·14	5	7·02	42.534
1603	8·4	44 50·05	0·00	1·7521	·005	−0·002	46 13 9·7	+0·1	6·458	·25	+0·04	3	8·05	46.484
1604	9·0	45 5·97	−0·01	1·8653	·004	−0·005	43 38 25·0	+0·1	6·435	·26	+0·05	5	7·93	43.501
1605	8·8	45 21·30	−0·01	1·6754	·006	−0·007	47 48 34·9	+0·3	6·414	·23	+0·14	3	8·06	47.485
1606	9·1	4 45 25·39	...	+1·7978	+0·005	...	−45 11 9·4	...	+6·409	−0·25	...	3	8·65	45.521
1607	7·0	45 29·21	0·00	1·8427	·004	0·000	44 9 17·8	0·0	6·403	·26	+0·02	3	8·93	44.540
1608	7·3	45 55·14	0·00	1·5638	·006	−0·004	49 57 57·9	0·0	6·368	·22	+0·02	6	9·20	50.647
1609	9·2	45 58·56	...	1·5352	·006	...	50 29 38·0	...	6·363	·22	...	3	9·05	50.648
1610	9·0	45 58·62	−0·01	1·5966	·006	−0·008	49 20 36·9	+0·1	6·363	·22	+0·08	3	9·10	49.581
1611	8·5	4 45 59·55	+0·01	+1·9407	+0·004	+0·004	−41 45 34·1	0·0	+6·361	−0·27	−0·01	5	6·82	41.575
1612	7·5	46 7·06	+0·01	1·6983	·005	+0·003	47 18 30·9	+0·1	6·351	·24	+0·03	3	8·02	47.491
1613	9·0	46 7·56	−0·01	1·8086	·005	−0·003	44 54 48·1	0·0	6·350	·25	+0·02	3	8·06	44.542
1614	8·0	46 17·95	0·00	1·9252	·004	0·000	42 8 3·8	0·0	6·336	·27	0·00	14	7·03	42.544
1615	8·4	46 25·94	+0·03	1·8988	·004	+0·009	42 46 47·4	−0·1	6·325	·27	−0·04	5	7·22	42.545
1616	8·1	4 47 3·26	0·00	+1·6384	+0·006	−0·005	−48 28 58·0	0·0	+6·273	−0·23	+0·04	3	9·03	48.549
1617	9·4	47 14·18	...	1·6158	·006	...	48 55 16·5	...	6·258	·23	...	3	9·07	48.551
1618	8·5	47 18·87	+0·03	1·9599	·004	+0·009	41 13 9·6	+0·2	6·252	·27	+0·08	5	7·18	41.582
1619	8·6	47 33·23	0·00	1·4535	·007	+0·001	51 52 49·8	0·0	6·232	·20	+0·01	3	9·06	51.596
1620	8·8	47 41·99	...	1·7459	·005	...	46 14 6·9	...	6·220	·24	...	3	8·02	46.496
1621	8·3	4 47 43·57	0·00	+1·7641	+0·005	−0·002	−45 50 17·2	0·0	+6·217	−0·25	+0·02	3	8·05	45.528
1622	9·3	47 45·80	...	1·8566	·004	...	43 44 0·3	...	6·214	·26	...	5	7·23	43.511
1623	8·3	47 54·44	0·00	1·4903	·007	+0·004	51 13 29·1	0·0	6·202	·21	−0·04	3	9·08	51.598
1624*	8·8	48 3·01	−0·01	1·7970	·005	−0·007	45 5 41·5	+0·2	6·191	·25	+0·09	3	8·06	45.529
1625	8·3	48 6·61	0·00	1·8253	·005	−0·002	44 26 59·0	+0·1	6·186	·26	+0·06	3	8·64	44.551
1626	9·2*	4 48 14·16	−0·01	+1·9832	+0·004	−0·004	−40 34 54·7	−0·1	+6·175	−0·28	−0·02	5	6·99	40.586
1627	8·0	48 25·56	0·00	1·6484	·006	0·000	48 13 49·5	0·0	6·159	·23	−0·01	3	9·03	48.555
1628	8·8	48 44·57	−0·01	1·7122	·005	−0·005	46 54 35·8	+0·1	6·133	·24	+0·04	3	8·03	46.499
1629	7·9	48 49·84	...	1·5789	·006	...	49 33 52·5	...	6·126	·22	...	3	9·06	49.587
1630	8·8	48 49·94	...	1·5149	·007	...	50 44 47·1	...	6·125	·21	...	3	9·09	50.661
1631	8·5*	4 48 57·42	+0·04	+1·9592	+0·004	+0·012	−41 10 17·1	0·0	+6·115	−0·27	0·00	5	7·01	41.587
1632*	6·8*	49 1·79	0·00	1·4494	·007	−0·004	51 53 34·0	0·0	6·109	·20	−0·01	6	9·37	51.600
1633	7·6	49 11·17	−0·01	1·7061	·005	−0·005	47 1 5·4	0·0	6·096	·24	−0·01	3	8·06	47.496
1634	7·5	49 27·43	−0·01	1·8751	·004	−0·004	43 13 38·2	+0·1	6·073	·26	+0·04	5	6·81	43.514
1635	8·9	49 42·72	...	1·6714	·005	...	47 42 54·7	...	6·052	·24	...	3	8·06	47.498
1636	9·3	4 49 52·75	...	+1·6168	+0·006	...	−48 47 39·5	...	+6·038	−0·23	...	3	9·03	48.556
1637	8·8	50 2·45	...	1·8097	·005	...	44 43 42·4	...	6·025	·25	...	3	8·02	44.559
1638	8·5*	50 46·82	0·00	1·8751	·004	−0·001	43 10 34·1	−0·2	5·963	·26	−0·07	5	6·61	43.516
1639	9·5	50 50·81	...	1·7860	·005	...	45 13 49·8	...	5·958	·25	...	3	8·05	45.533
1640	9·0	50 53·05	+0·03	1·9006	·004	+0·009	42 33 24·1	0·0	5·954	·27	+0·01	5	7·02	42.556

1624. $9^m·4, 9^m·7$ 1″·3 351° Mass observed.

1632. $7^m·5, 7^m·6$ 0″·5 117° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1641	9·4	4 50 58·26	...	+1·9907	+0·004	...	−40 16 51·6	...	+ 5·947	−0·28	...	5	7·20	40.592
1642	8·7	51 34·52	0·00	1·9282	·004	−0·001	41 51 7·9	−0·1	5·897	·27	−0·02	6	7·07	41.593
1643	8·0†	51 49·26	...	1·9528	·004	...	41 13 25·5	...	5·876	·28	...	5	6·97	41.595
1644	9·4	51 52·17	...	1·9982	·004	...	40 3 0·2	...	5·872	·28	...	5	7·22	40.596
1645	9·2	51 53·42	+0·01	1·7245	·005	+0·003	46 31 38·7	−0·1	5·870	·24	−0·03	3	8·02	46.504
1646	8·8	4 52 5·23	0·00	+1·4793	+0·007	−0·005	−51 15 30·8	0·0	+ 5·854	−0·21	+0·03	3	9·03	51.606
1647	9·7	53 20·28	...	1·6420	·005	...	48 10 4·8	...	5·749	·23	...	3	9·03	48.563
1648	7·5*	53 29·37	−0·01	1·8533	·004	−0·003	43 35 17·8	−0·1	5·736	·26	−0·04	5	6·26	43.522
1649	8·5	53 32·48	+0·03	1·8815	·004	+0·009	42 55 6·3	0·0	5·732	·27	−0·01	5	7·00	42.568
1650	8·0	53 47·09	0·00	1·9133	·004	0·000	42 8 20·9	0·0	5·712	·27	−0·01	5	7·03	42.569
1651	8·1	4 53 48·22	0·00	+1·8201	+0·004	0·000	−44 20 54·1	−0·1	+ 5·710	−0·26	−0·03	3	8·01	44.568
1652	8·5	53 51·98	0·00	1·7133	·005	0·000	46 41 21·5	0·0	5·705	·24	−0·02	3	8·04	46.510
1653	9·2†	54 3·10	0·00	1·6194	·006	−0·001	48 35 14·3	+0·1	5·689	·23	+0·08	3	9·07	48.564
1654	8·5	54 4·47	0·00	1·5449	·006	−0·002	50 0 5·9	0·0	5·687	·22	+0·01	3	9·05	50.675
1655	8·9	54 9·25	+0·01	1·7047	·005	+0·003	46 51 32·4	0·0	5·681	·24	+0·02	3	8·06	46.513
1656*	8·0	4 54 12·86	0·00	+1·4548	+0·007	−0·002	−51 36 25·6	0·0	+ 5·676	−0·21	+0·03	3	9·10	51.612
1657	9·0	54 18·94	0·00	1·5084	·006	+0·004	50 39 31·5	0·0	5·667	·21	+0·02	3	9·07	50.677
1658	8·9	54 32·56	−0·01	1·5906	·006	−0·008	49 7 35·1	0·0	5·648	·23	+0·03	3	9·33	49.600
1659	8·5	54 36·72	+0·02	1·8983	·004	+0·005	42 28 17·1	0·0	5·642	·27	0·00	5	7·00	42.570
1660	9·3	54 38·26	...	1·7480	·005	...	45 55 9·8	...	5·640	·25	...	3	8·35	45.538
1661	8·6	4 54 50·17	−0·01	+1·6761	+0·005	−0·003	−47 25 32·5	+0·2	+ 5·623	−0·24	+0·10	3	8·01	47.507
1662	8·5	54 54·84	+0·01	1·9292	·004	+0·005	41 42 3·9	+0·1	5·617	·27	+0·04	5	7·03	41.604
1663	8·9	54 55·60	−0·01	1·7759	·005	−0·006	45 18 2·8	0·0	5·616	·25	+0·02	3	8·04	45.541
1664	8·8	55 25·05	−0·01	1·8007	·004	−0·006	44 43 44·5	0·0	5·575	·25	−0·01	3	8·35	44.572
1665	9·8	55 31·22	...	1·8240	·004	...	44 11 39·5	...	5·566	·26	...	3	8·64	44.573
1666	8·0	4 56 52·85	0·00	+1·9466	+0·004	+0·001	−41 11 45·3	+0·1	+ 5·451	−0·27	+0·03	12	6·88	41.610
1667	7·3	56 53·09	0·00	1·5607	·006	−0·001	49 36 22·2	0·0	5·451	·22	+0·01	3	9·03	49.611
1668	8·2	57 3·59	0·00	1·5782	·006	−0·003	49 16 18·5	0·0	5·436	·22	+0·05	3	9·04	49.612
1669	9·2	57 32·19	...	1·5357	·006	...	50 2 54·8	...	5·396	·22	...	3	9·07	50.694
1670	9·0*	57 36·73	+0·02	1·9468	·004	+0·008	41 9 53·1	+0·2	5·390	·28	+0·05	5	6·98	41.612
1671	8·8	4 57 44·70	−0·01	+1·7012	+0·005	−0·005	−46 48 5·4	0·0	+ 5·379	−0·24	−0·02	3	8·02	46.518
1672	8·0	57 45·65	+0·01	1·9070	·004	+0·004	42 8 55·5	+0·1	5·377	·27	+0·05	5	7·03	42.579
1673	9·0	57 49·05	0·00	1·6035	·005	+0·004	48 45 42·5	0·0	5·373	·23	−0·05	3	9·07	48.576
1674	8·3	57 57·01	0·00	1·7865	·005	+0·002	44 57 28·4	0·0	5·362	·25	−0·01	3	8·05	44.583
1675	8·0	58 0·02	...	1·6546	·005	...	47 44 56·6	...	5·357	·24	...	3	8·07	47.518
1676	8·7	4 58 10·50	0·00	+1·4704	+0·006	+0·004	−51 11 46·6	0·0	+ 5·343	−0·21	+0·04	3	9·03	51.625
1677	8·8	58 19·88	−0·02	1·6234	·005	−0·016	48 21 22·7	0·0	5·329	·23	−0·02	3	9·06	48.577
1678	9·2	58 29·25	0·00	1·7302	·005	0·000	46 10 0·8	+0·1	5·316	·25	+0·04	3	8·64	46.522
1679	8·6	58 40·46	...	1·6784	·005	...	47 14 32·0	...	5·300	·24	...	3	8·64	47.521
1680	9·5*	59 8·70	−0·02	1·9815	·004	−0·005	40 13 35·6	−0·5	5·261	·28	−0·15	5	6·44	40.619

1656. $8^m{\cdot}1$, $10^m{\cdot}4$ $1''{\cdot}8$ 21° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1681	8·0	4 59 8·72	−0·01	+1·7489	+0·005	−0·003	−45 44 32·4	0·0	+5·261	−0·25	0·00	3	8·05	45.549
1682	9·1	59 13·48	−0·01	1·5486	·006	−0·008	49 45 14·0	+0·1	5·254	·22	+0·07	3	9·03	49.624
1683	9·5	59 22·41	...	1·8418	·004	...	43 38 57 8	...	5·241	·26	...	5	7·18	43.537
1684	9·5	59 27·35	.	1·9694	·004	...	40 31 40·1	...	5·234	·28	...	3:5	7·06	40.622
1685	8·6	59 31·28	−0·01	1·7050	·005	−0·004	46 39 45·5	+0·1	5·229	24	+0·03	3	8·01	46.524
1686	8·0	4 59 44·88	0·00	+1·9204	+0·004	0·000	−41 44 57·4	+0·1	+5·210	−0·27	+0·02	5	7·24	41.615
1687	7·9	59 53·44	−0·01	1·8838	·004	−0·005	42 38 16·9	−0·1	5·198	·27	−0·03	5	7·75	42.584
1688	9·5	59 53·63	0·00	1·8548	·004	0·000	43 19 32·9	+0 1	5·197	·26	+0·02	5	7 42	43.538
1689	9·2	59 58·42	+0·01	1·9310	·004	+0·002	41 28 54·7	+0·2	5·191	·27	+0·07	5	7·42	41.619
1690	8·1	5 0 1·11	0·00	1·5014	·006	+0·001	50 35 13·3	+0·1	5·187	·21	+0·08	3	9·06	50.701
1691	8·4	5 0 3·84	...	+1·4438	+0·006	...	−51 35 45·3	...	+5·183	−0·21	...	4	9·10	51.629
1692	9·5	0 10·99	+0·01	1·7501	·005	+0·005	45 40 46·0	+0·1	5·173	·25	+0·03	3	8·04	45.556
1693	6·0*	0 11·77	0·00	1·5715	·006	−0·006	49 17 34·2	0·0	5·172	·22	0·00	3	9·33	49.632
1694*	8·5	0 19·75	−0·01	1·4815	·006	−0·008	50 55 45·4	−0·1	5·161	·21	−0·18	5	9·24	50.702
1695	8·5*	0 36·70	−0·01	1·9594	·004	−0·002	40 44 42·2	−0·4	5·137	·28	−0·14	5	6·97	40.625
1696	8·0	5 1 3·21	−0·01	+1·7642	+0·005	−0·005	−45 20 48·3	0·0	+5·099	−0·25	+0·01	3	8·02	45.558
1697	9·0	1 3·95	...	1·7127	·005	...	46 26 59·0	...	5·098	·24	...	3	8·06	46.526
1698	9·4	1 8·44	−0·03	1·6505	·005	−0·014	47 43 27·9	+0·1	5·092	·23	+0·04	3	8·06	47.525
1699	9·0	1 33·01	...	1·9775	·004	...	40 15 2·8	...	5·057	·28	...	5:4	6·83:6·78	40.628
1700	9·3	1 54·38	0·00	1·7975	·004	+0·002	44 34 49·2	0·0	5·027	·26	−0·02	3	8·03	44.591
1701	5·5*	5 2 22·45	0·00	+1·5452	+0·006	+0·001	−49 42 47·4	0·0	+4·988	−0·22	0·00	3	9·02	49.644
1702	8·8	2 42·79	−0·01	1·6717	·005	−0·004	47 14 47·1	+0·1	4·959	·24	+0·05	3	8·05	47.528
1703	9·0*	2 42·82	0·00	1·8743	·004	+0·001	42 46 15·4	−0·1	4·959	·27	−0·02	4	6·58	42.597
1704	9·8	2 48·79	...	1·8297	·004	...	43 48 59·0	...	4·950	·26	...	4	7·04	43.545
1705	9·2	2 58·00	−0·03	1·6375	·005	−0·016	47 55 35·8	+0·2	4·937	·23	+0·12	3	8·03	47.529
1706	8·6	5 2 59·08	−0·01	+1·4397	+0·006	−0·006	−51 34 18·4	+0·1	+4·936	−0·21	+0·08	3	9·05	51.639
1707	8·1	3 16·16	0·00	1·5916	·005	+0·002	48 48 41·7	0·0	4·912	·23	+0·02	3	9·04	48.594
1708	8·0	3 26·85	+0·02	1·9095	·004	+0·007	41 54 4·9	+0·4	4·897	·27	+0·14	4	7·05	41.631
1709	8·8	3 38·01	...	1·9341	·004	...	41 17 9·3	...	4·881	·28	...	5	6·86	41.632
1710	9·1	4 12·71	...	1·5173	·006	...	50 9 57·5	...	4·832	·22	...	3	9·06	50.714
1711	8·5	5 4 15·05	0·00	+1·4664	+0·006	+0·001	−51 4 23·1	0·0	+4·829	−0·21	−0·02	3	9·06	51.643
1712	8·8†	4 15·19	...	1·8918	·004	...	42 18 11·8	...	4·828	·27	...	4	6·77	42.604
1713	7·0	4 27·99	0·00	1·7771	·004	−0·002	44 57 7·9	0·0	4·810	·25	+0·01	3	8·04	44.601
1714	8·3	4 37·29	−0·01	1·8149	·004	−0·007	44 5 59·0	+0·1	4·797	·26	+0·03	3	8·03	44.602
1715	9·5	4 44·35	...	1·8485	·004	...	43 19 1·1	...	4·787	·26	...	4	7·03	43.550
1716	9·0	5 4 47·54	−0·01	+1·7332	+0·005	−0·007	−45 53 45·4	+0·1	+4·782	−0·25	+0·05	3	8·36	45.570
1717	9·5	4 49·86	...	1·6204	·005	...	48 12 19·3	...	4·779	·23	...	4	9·29	48.600
1718	9·1	4 58·75	...	1·6859	·005	...	46 53 4·7	...	4·766	·24	...	3	8·35	46.533
1719	8·8	5 1·99	−0·01	1·7090	·005	−0·004	46 24 5·9	+0·2	4·762	·24	+0·17	3	8·64	46.534
1720	7.9	5 12·10	−0·01	1·9420	·004	−0·002	41 2 27·1	0·0	4·748	·28	−0·01	9	7·07	41.637

1694. $8^m·5, 9^m·7$ 3″·2 258° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1721	7·3	5 5 17·48	−0·03	+1·9295	+0·004	−0·010	−41 20 59·3	+0·9	+4·740	−0·28	+0·28	4	6·80	41.638
1722	7·8	5 30·88	0·00	1·5556	·005	0·000	49 25 32·4	0·0	4·721	·22	+0·03	3	9·03	49.649
1723	9·0	5 46·78	0·00	1·5304	·006	−0·003	49 52 56·5	0·0	4·698	·22	0·00	3	9·06	49.650
1724	8·0*	5 57·76	−0·01	1·8964	·004	−0·004	42 8 38·5	−0·1	4·683	·27	−0·04	5	6·81	42.610
1725	8·5	6 17·95	−0·01	1·8716	·004	−0·002	42 43 38·1	0·0	4·654	·27	−0·01	6	6·72	42.611
1726	7·6	5 6 35·19	0·00	+1·5709	+0·005	−0·002	−49 6 17·4	0·0	+4·630	−0·23	−0·02	3	9·04	49.655
1727	7·6	6 39·82	0·00	1·7961	·004	0·000	44 27 46·6	+0·2	4·623	·26	+0·11	3	8·01	44.608
1728	8·6	6 51·37	...	1·7475	·004	...	45 31 33·3	...	4·607	·25	...	3	8·05	45.574
1729	8·8	6 57·45	0·00	1·4552	·006	−0·002	51 11 15·4	0·0	4·598	·21	−0·02	3	9·03	51.650
1730	9·0*	7 10·99	0·00	1·9124	·004	+0·001	41 42 53·5	+0·3	4·579	·27	+0·08	4	6·76	41.643
1731	9·1	5 7 16·22	0·00	+1·9351	+0·004	−0·001	−41 9 6·6	+0·1	+4·572	−0·28	+0·04	5	7·06	41.644
1732	9·1	7 17·95	...	1·6497	·005	...	47 33 2·0	...	4·569	·24	...	3	8·07	47.536
1733	8·8	7 35·57	...	1·6701	·005	...	47 7 46·1	...	4·544	·24	...	3	8·09	47.537
1734	8·7	7 40·53	+1·32	1·7715	·004	+0·628	44 58 39·4	−11·1	4·537	·25	−5·69	5	8·05	44.612
1735	9·2	7 42·49	...	1·7065	·005	...	46 22 28·6	...	4·534	·24	...	3	8·92	46.540
1736	8·8	5 7 43·60	+0·02	+1·7841	+0·004	+0·008	−44 41 57·2	+0·5	+4·533	−0·26	+0·27	3	8·01	44.613
1737	9·3	7 54·23	...	1·8318	·004	...	43 36 45·3	...	4·518	·26	...	4	7·07	43.560
1738	9·0	7 56·09	...	1·9799	·004	...	39 59 38·5	...	4·515	·28	...	4	6·82	40.650
1739	7·8	8 3·19	0·00	1·5963	·005	−0·002	48 34 39·9	+0·1	4·505	·23	+0·10	3	9·03	48.607
1740	8·8	8 27·34	0·00	1·8114	·004	−0·002	44 4 2·6	−0·1	4·471	·26	−0·03	3	8·06	44.616
1741	9·1	5 8 38·30	...	+1·4726	+0·006	...	−50 50 14·5	...	+4·455	−0·21	...	3	9·04	50.729
1742	9·0	8 38·47	+0·03	1·8875	·004	+0·009	42 16 42·9	+0·1	4·455	·27	+0·03	5	6·84	42.614
1743	9·0	8 45·32	−0·01	1·9605	·004	−0·002	40 28 5·9	0·0	4·445	·28	0·00	4	7·04	40.653
1744	7·5*	8 52·24	+0·01	1·9074	·004	+0·002	41 47 24·5	+0·3	4·435	·27	+0·10	5	6·66	41.650
1745	7·9	9 13·32	−0·02	1·6548	·005	−0·008	47 23 37·8	0·0	4·405	·24	+0·01	3	8·01	47.543
1746	7·8	5 9 26·77	0·00	+1·5626	+0·005	−0·005	−49 10 45·6	−0·1	+4·386	−0·22	−0·06	3	9·03	49.668
1747	8·5	9 39·99	+0·03	1·8764	·004	+0·010	42 30 55·7	+0·1	4·367	·27	+0·03	5	6·83	42.616
1748	9·5	9 58·79	+0·01	1·8498	·004	+0·005	43 8 13·7	+0·1	4·341	·27	+0·05	4	7·07	43.566
1749	7·4	9 59·28	0·00	1·4221	·006	0·000	51 40 9·7	+0·1	4·340	·20	+0·09	3	9·05	51.658
1750	9·3	10 3·46	0·00	1·5389	·005	−0·002	49 36 14·4	0·0	4·334	·22	+0·02	3	9·07	49.670
1751	9·3	5 10 19·82	0·00	+1·7380	+0·004	0·000	−45 37 59·9	+0·1	+4·311	−0·25	+0·07	3	8·01	45.583
1752	8·5*	10 30·36	+0·03	1·8524	·004	+0·009	43 3 30·4	+0·1	4·296	·27	+0·02	4	6·81	43.567
1753	9·5	10 32·56	...	1·9463	·004	...	40 46 45·0	...	4·293	·28	...	4	7·08	40.663
1754	9·0	10 48·85	0·00	1·6896	·005	0·000	46 38 23·5	+0·1	4·269	·24	+0·03	3	8·04	46.547
1755	9·5	11 2·72	...	1·5119	·005	...	50 4 13·0	...	4·249	·22	...	3	9·03	50.734
1756	9·3	5 11 10·05	...	+1·6013	+0·005	...	−48 23 44·7	...	+4·239	−0·23	...	3	9·06	48.619
1757	9·0	11 14·30	...	1·9593	·004	...	40 25 56·7	...	4·233	·28	...	5	7·01	40.666
1758	9·0	11 20·42	...	1·9222	·004	...	41 21 32·1	...	4·224	·28	...	4	6·82	41.660
1759	9·0	11 28·34	+0·02	1·8877	·004	+0·007	42 11 40·0	0·0	4·213	·27	0·00	4	7·07	42.623
1760	8·2	11 35·76	0·00	1·7956	·004	−0·001	44 20 8·8	+0·1	4·202	·26	+0·03	3	8·01	44.629

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1761	8·6	5 11 38·83	−0·01	+1·7235	+0·004	−0·005	−45 54 15·7	0·0	+4·198	−0·25	+0·02	3	8·05	45.585
1762	9·5	11 59·14	...	1·4926	·005	...	50 23 30·9	...	4·169	·21	...	3	9·03	50.738
1763	8·8	12 3·44	...	1·8174	·004	...	43 49 50·3	...	4·163	·26	...	5	6·87	43.571
1764	8·5	12 9·47	−0·01	1·6551	·005	−0·006	47 18 29·5	0·0	4·154	·24	+0·02	3	8·05	47.550
1765	7·5*	12 57·74	−0·01	1·9204	·004	−0·004	41 21 33·4	−0·1	4·085	·28	−0·03	5	6·62	41.669
1766	8·0	5 12 59·29	−0·03	+1·9274	+0·004	−0·010	−41 11 3·0	+0·1	+4·083	−0·28	+0·03	5	6·66	41.670
1767	8·0	13 8·05	+0·01	1·5372	·005	+0·010	49 33 12·2	−0·1	4·071	·22	−0·07	3	9·03	49.683
1768	9·6	13 14·98	...	1·8064	·004	...	44 2 54·2	...	4·061	·26	...	3	8·05	44.636
1769	7·9	13 17·36	−0·01	1·5775	·005	−0·008	48 47 50·3	−0·1	4·058	·23	−0·11	3	9·04	48.623
1770	8·3	13 18·46	...	1·6401	005	...	47 34 42·1	...	4·056	·24	...	3	8·01	47.552
1771	8·1	5 13·28·01	+0·01	+1·8675	+0·004	+0·005	−42 37 32·8	+0·3	+4·042	−0·27	+0·10	5	7·07	42.634
1772	7·3	13 46·06	−0·01	1·7154	·004	−0·003	46 1 19·8	+0·1	4·017	·25	+0·05	3	8·06	46.552
1773	8·3	14 7·54	−0·01	1·4208	·006	−0·007	51 34 59·3	0·0	3·986	·21	−0·01	3	9·07	51.674
1774	8·0	14 9·91	0·00	1·5789	·005	−0·003	48 44 50·7	0·0	3·983	·23	−0·02	3	9·08	48.625
1775	7·9	14 13·77	−0·01	1·6022	·005	−0·006	48 17 53·5	0·0	3·977	·23	+0·03	3	9·03	48.626
1776	9·3	5 14 22·69	...	+1·8946	+0·004	...	−41 57 10·3	...	+3·964	−0·27	...	5	7·07	41.672
1777	9·4	14 27·95	...	1·7679	·004	...	44 52 32·0	...	3·957	·25	...	3	8·04	44.639
1778	9·1	14 38·57	...	1·4720	·005	...	50 41 23·9	...	3·942	·21	...	3	9·05	50.750
1779	8·5*	15 2·63	+0·01	1·8105	·004	+0·003	43 54 35·2	0·0	3·907	·26	0·00	5	6·45	43.580
1780	8·5	15 10·16	...	1·8411	·004	...	43 12 9·1	...	3·896	·26	...	5	7·04	43.581
1781*	8·0	5 15 13·62	−0·01	+1·9267	+0·004	−0·004	−41 8 53·5	−0·2	+3·891	−0·28	−0·05	5	6·69	41.673
1782	9·7	15 21·36	...	1·7295	·004	...	45 41 2·8	....	3·880	·25	...	3	8·02	45.599
1783	8·6	15 27·14	−0·02	1·6421	·005	−0·010	47 29 7·5	0·0	3·872	·24	0·00	3	8·05	47.562
1784	9·0	15 31·19	...	1·6962	·004	...	46 22 50·9	...	3·866	·24	...	3	8·07	46.555
1785	8·5	16 0·80	+0·02	1·5042	·004	+0·006	41 40 53·1	+0·2	3·824	·27	+0·06	5	7·01	41.680
1786	9·5	5 16 22·59	...	+1·5440	+0·005	...	−49 20 55·1	...	+3·793	−0·22	...	3	9·02	49.695
1787	8·9	16 26·82	0·00	1·5156	·005	+0·003	49 52 2·9	0·0	3·787	·22	−0·03	3	9·05	49.696
1788	9·6	17 9·11	...	1·4843	·005	...	50 24 40·5	...	3·726	·21	...	3	9·09	50.764
1789	7·4	17 14·54	−0·01	1·6567	·004	−0·003	47 8 55·1	0·0	3·718	·24	−0·01	3	8·01	47.565
1790	8·6	17 14·96	−0·01	1·8995	·004	−0·004	41 46 2·7	0·0	3·718	·27	+0·01	4	7·04	41.685
1791	8·5*	5 17 27·64	0·00	+1·8544	+0·004	0·000	−42 50 7·6	−0·2	+3·700	−0·27	−0·07	5	6·45	42.650
1792	9·5	17 43·27	...	1·8089	·004	...	43 52 51·2	...	3·677	·26	...	4	6·83	43.591
1793	8·3	17 46·39	−0·01	1·6327	·004	−0·004	47 36 56·0	−0·2	3·673	·24	−0·08	3	8·04	47.567
1794	9·5	17 55·74	...	1·9682	·003	...	40 2 17·2	...	3·659	·28	...	4	7·09	40.690
1795	9·4	17 58·63	...	1·4437	·005	...	51 6 6·4	...	3·655	·21	...	3	9·02	51.691
1796	8·3	5 18 8·45	−0·01	+1·6755	+0·004	−0·003	−46 44 45·6	−0·2	+3·641	−0·24	−0·08	3	8·06	46.566
1797	8·0	18 12·64	+0·01	1·9353	·004	+0·002	40 51 40·8	−0·1	3·635	·28	−0·05	4	7·04	40.691
1798	8·3	18 22·62	−0·01	1·5130	·005	−0·008	49 52 5·8	0·0	3·621	·22	+0·05	3	9·05	49.702
1799	8·9	18 25·88	−0·01	1·5455	·005	−0·012	49 16 16·8	+0·1	3·616	·22	+0·08	3	9·09	49.703
1800	9·3	18 31·09	...	1·6199	·005	...	47 51 8·9	...	3·609	·23	...	3	8·03	47.569

1781. $8^m·5, 9^m·2$ 0″·6 96° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1801	8·3	5 18 31·75	−0·01	+1·7818	+0·004	−0·005	−44 28 13·4	0·0	+3·608	−0·26	+0·01	3	8·09	44.644
1802	9·0	18 32·38	...	1·7374	·004	...	45 26 18·8	...	3·607	·25	...	3	8·09	45.610
1803	8·5	18 32·60	−0·01	1·9258	·004	−0·002	41 5 26·4	−0·1	3·607	·28	−0·03	4	7·04	41.688
1804	7·2	19 1·65	0·00	1·4088	·005	0·000	51 40 20·2	0·0	3·565	·20	+0·03	3	9·04	51.695
1805	9·3	19 9·63	...	1·7884	·004	...	44 18 27·2	...	3·553	·26	...	3	8·04	44.648
1806	9·5*	5 19 14·57	+0·03	+1·8491	+0·004	+0·010	−42 55 8·9	0·0	+3·546	−0·27	0·00	4	6·78	42.655
1807	8·6	19 20·16	0·00	1·6921	·004	+0·002	46 22 30·6	+0·1	3·538	·24	+0·06	3	8·06	46.570
1808	9·7	19 20·42	...	1·5768	·005	...	48 39 51·2	...	3·538	·23	...	3	9·08	48.644
1809	9·4	19 40·96	...	1 9189	·004	...	41 14 11·4	...	3·508	·28	...	4	7·08	41.692
1810	8·3	19 45·74	−0·01	1·7330	·004	−0·003	45 30 18·4	+0·1	3·502	·25	+0·06	3	8·03	45.616
1811	8·5	5 19 46·92	+0·01	+1·8698	+0·004	+0·002	−42 25 10·2	+0·8	+3·500	−0·27	+0·26	4	6·81	42.660
1812	9·4	20 27·07	...	1 6029	·004	...	48 8 22·7	...	3·442	·23	...	3	9·03	48.645
1813	7·7	20 41·85	−0·01	1·4223	·005	−0·006	51 24 30·7	0·0	3·421	·21	−0·02	3	9·06	51.700
1814	9·7†	20 41·93	...	1·9505	·003	...	40 25 35·7	...	3·421	.28	...	3	7·04	40.704
1815	7·5	20 53·30	0·00	1·5321	·005	−0·003	49 27 58·4	0·0	3·404	·22	+0·01	3	9·09	49.709
1816	9·0	5 20 57 69	−0·02	+1·8095	+0·004	−0·005	−43 47 42·9	0·0	+3·398	−0·26	−0·01	5	6·83	43.598
1817	9·5	21 5·75	...	1·4851	·005	...	50 18 37·4	...	3·387	·21	...	3	9·11	50.774
1818	8·2	21 21·41	0·00	1·6381	·004	0·000	47 25 46·2	0·0	3·364	·24	+0·01	3	8·02	47.577
1819	9·4†	21 36·62	...	1·8545	·004	...	42 44 30·4	...	3·342	·27	...	5	6·86	42.664
1820	8·3	21 41·92	0·00	1·8635	·004	0·000	42 31 44·3	+0·1	3·335	·27	+0·03	4	6·82	42.666
1821	6·8	5 21 56·91	−0·01	+1·7854	+0·004	−0·003	−44 18 51·8	0·0	+3·313	−0·26	−0·02	3	8·05	44.656
1822	9·0	22 15·87	−0·01	1·6258	·004	−0·007	47 39 15·0	+0·1	3·286	·24	+0·05	3	8·07	47.581
1823	8·0	22 17·45	+0·03	1·9088	·003	+0·008	41 25 36·2	+0·3	3·284	·28	+0·09	5	6·82	41.706
1824	9·4	22 31·74	...	1·7153	·004	...	45 49 27·0	...	3·263	·25	...	3	8·08	45.620
1825	8·4	22 38·00	0·00	1·6491	·004	−0·002	47 10 52·8	0·0	3·254	·24	+0·01	3	8·05	47.582
1826	9·0	5 22 41 50	−0·01	+1·9463	+0·003	−0·004	−40 29 31·2	−0·1	+3·249	−0·28	−0·04	5	7·08	40.712
1827	8·5	22 46·55	−0·01	1·8361	·004	−0·005	43 8 53·2	−0·1	3·242	·27	−0·02	4	7·04	43.604
1828	9·2	22 48·66	...	1·4536	·005	...	50 49 42·9	...	3·239	·21	...	3	9·03	50.779
1829	8·6†	23 12·33	...	1·8879	·004	...	41 54 56·6	...	3·204	·27	...	4	6·33	41.710
1830	9·7	23 15·88	...	1·5683	·004	...	48 44 29·8	...	3·200	·23	...	3	9·07	48.648
1831	8·5*	5 23 48·01	−0·01	+1·7463	+0·004	−0·007	−45 8 7·4	+0·1	+3·153	−0·25	+0·06	3	8·02	45.621
1832	9·3	24 1·33	−0·02	1·6003	·004	−0·016	48 6 53·2	+0·1	3·134	·23	+0·10	3	9·03	48.650
1833	8·0	24 10·64	0·00	1·7547	·004	−0·002	44 56 45·6	+0·1	3·121	·25	+0·04	3	8·05	44.666
1834	7·8	24 25·73	−0·01	1·6966	·004	−0·006	46 10 32·7	−0·1	3·099	·25	−0·04	3	8·06	46.581
1835	9·6	24 53·29	0·00	1·4915	·005	−0·003	50 7 10·6	0·0	3·059	·22	−0·03	3	9·07	50.784
1836	9·1	5 25 3·03	−0·01	+1·7723	+0·004	−0·003	−44 32 30·0	0·0	+3·045	−0·26	+0·01	3	8·04	44.669
1837	8·3	25 18·16	0·00	1·5639	·004	+0·001	48 47 9·3	0·0	3·023	·23	0·00	3	9·02	48.657
1838	9·6†	25 20·66	...	1·8625	·003	...	42 28 43·3	...	3·020	·27	...	3	6·39	42.673
1839	9·3	25 21·05	...	1·7429	·004	...	45 10 34·9	...	3·019	·25	...	3	8·06	45.625
1840	8·8	25 34·40	−0·03	1·9601	·003	−0·010	40 5 16·0	−0·1	3·000	·28	−0·03	4	7·07	40.721

No.	Mag.	Mean R.A 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1841	8·7	5 25 36·35	+0·04	+1·8910	+0·003	+0·012	−41 47 42·0	0·0	+ 2·997	−0·27	0·00	4	7·07	41.723
1842	8·5	25 39·59	0·00	1·5393	·004	0·000	49 14 15·8	+0·1	2·993	·22	+0·16	3	9·07	49.720
1843	9·7	25 48·66	...	1·6403	·004	...	47 17 50·5	..	2·979	·24	...	3	8·07	47.586
1844	8·9	25 50·45	...	1·9121	·003	...	41 16 34·9	...	2·977	·28	...	4	7·11	41.724
1845	9·2	25 59·06	+0·01	1·6732	·004	+0·006	46 37 42·1	+0·3	2·964	·24	+0·16	3	8·06	46.584
1846	8·8	5 26 9·68	+0·02	+1·8759	+0·003	+0·007	−42 8 40·5	0·0	+ 2·949	−0·27	0·00	5	6·48	42.675
1847	8·0	26 24·34	+0·02	1·9302	·003	+0·006	40 49 12·7	+0·2	2·928	·28	+0·06	4	7·05	40.728
1848	8·0	26 26·44	0·00	1·4516	·005	0·000	50 47 36·0	0·0	2·925	·21	0·00	3	9·03	50.789
1849	9·0	26 31·07	0·00	1·4008	·005	−0·004	51 39 18·2	0·0	2·918	·20	−0·03	3	9·09	51.719
1850	8·5	26 38·87	...	1·7567	·004	...	44 51 12·8	...	2·907	·25	...	3	8·03	44.674
1851	8·7	5 26 44·40	−0·01	+1·8020	+0·004	−0·003	−43 50 59·0	−0·1	+ 2·899	−0·26	−0·03	5	7·06	43.618
1852	9·5	27 1·28	...	1·5945	·004	...	48 10 19·7	...	2·875	·23	...	3	9·08	48.661
1853	7·1	27 5·03	0·00	1·6464	·004	+0·001	47 9 9·0	−0·1	2·869	·24	−0·04	3	8·05	47.593
1854	8·5*	27 47·76	+0·02	1·8939	·003	+0·006	41 41 6·2	0·0	2·808	·27	+0·01	5	6·67	41.732
1855	9·6	28 8·90	...	1·7182	·004	...	45 39 17·4	...	2·777	·25	...	3	8·04	45.631
1856	9·0	5 28 16·57	+0·04	+1·8469	+0·003	+0·012	−42 47 34·6	+0·2	+ 2·766	−0·27	+0·07	5	7·05	42.690
1857	9·8	28 17·52	...	1·6690	·004	...	46 40 22·9	...	2·765	·24	...	3	8·06	46.589
1858	9·7	28 18·70	...	1·7869	·004	...	44 9 35·0	...	2·763	·26	...	3	8·09	44.680
1859	9·0	28 20·52	0·00	1·4151	·005	+0·001	51 23 0·5	0·0	2·760	·21	−0·04	3	9·03	51.725
1860	9·3	28 40·93	...	1·8699	·003	...	42 14 37·0	...	2·731	·27	...	4	7·05	42.693
1861	9·0	5 28 42·05	−0·01	+1·6952	+0·004	−0·007	−46 7 36·6	−0·1	+ 2·729	−0·25	−0·06	3	8·08	46.590
1862	8·3	28 48·43	−0·01	1·4644	·005	−0·009	50 31 55·3	0·0	2·720	·20	+0·03	3	9·07	50.794
1863	9·2	28 50·02	...	1·9565	·003	...	40 7 15·4	...	2·718	·28	...	4	6·83	40.742
1864	8·4	29 4·07	0·00	1·4864	·005	+0·004	50 8 11·0	0·0	2·697	·22	−0·04	3	9·11	50.795
1865	8·0	29 9·23	0·00	1·5440	·004	−0·001	49 5 24·9	0·0	2·690	·22	−0·01	3	9·11	49.730
1866	7·7	5 29 37·96	−0·01	+1·6243	+0·004	−0·004	−47 32 48·7	0·0	+ 2·649	−0·24	0·00	3	8·05	47.604
1867	9·6	29 38·85	−0·04	1·8010	·003	−0·015	43 49 16·3	0·0	2·647	·26	+0·01	4	7·06	43.631
1868	8·0	29 54·78	+0·01	1·8319	·003	+0·003	43 6 49·0	0·0	2·624	·27	−0·01	4	6·81	43.632
1869	8·8	29 55·20	...	1·8791	·003	...	42 0 31·9	...	2·623	·27	...	4	6·84	42.697
1870	9·0	30 5·64	...	1·5704	·004	...	48 34 40·4	...	2·608	·23	..	3	9·03	48.673
1871	9·8	5 30 17·18	−0·03	+1·7127	+0·004	−0·013	−45 44 1·8	0·0	+ 2·592	−0·25	+0·02	3	8·06	45.638
1872	8·3	30 19·90	−0·01	1·9202	·003	−0·003	41 0 8·7	+0·2	2·588	·28	+0·06	4	7·08	41.746
1873	7·2	30 54·08	0·00	1·5233	·004	−0·001	49 26 30·8	−0·1	2·538	·22	−0·10	3	9·07	49.735
1874	8·0	30 57·89	0·00	1·3930	·005	−0·002	51 42 33·8	0·0	2·533	·20	+0·03	3	9·10	51.729
1875	9·2	31 0·40	0·00	1·7116	·004	−0·001	45 44 50·0	0·0	2·529	·25	+0·01	3	8·04	45.640
1876	8·7	5 31 13·30	...	+1·4271	+0·005	...	−51 7 59·8	...	+ 2·511	−0·21	...	3	9·08	51.730
1877	9·5	31 20·14	...	1·8719	·003	...	42 9 4·8	...	2·501	·27	...	5	7·04	42.700
1878	9·1	31 27·01	...	1·7942	·003	...	43 56 43·8	...	2·491	·26	...	5	6·88	43.635
1879	7·6	32 5·77	0·00	1·5456	·004	−0·003	49 0 40·9	0·0	2·435	·22	−0·02	5	9·06	49.737
1880	9·7	32 8·65	...	1·9524	·003	...	40 10 17·0	...	2·430	·28	...	5	6·68	40.755

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1881	8·5*	5 32 26·77	−0·02	+1·8149	+0·003	−0·005	−43 27 40·8	−0·1	+2·404	−0·26	−0·04	5	6·67	43.640
1882	9·3	32 27·04	+0·01	1·7728	·003	+0·005	44 24 15·3	+0·2	2·404	·26	+0·09	3	8·02	44.687
1883	9·8	32 32·09	...	1·7375	·004	...	45 10 20·5	...	2·397	·25	...	3	8·06	45.643
1884	10·0	32 58·65	...	1·4402	·004	...	50 52 57·7	...	2·358	·21	...	3	9·07	50.807
1885	9·0	33 6·80	+0·01	1·8832	·003	+0·004	41 51 26·0	+0·1	2·346	·27	+0·03	5	7·06	41.757
1886	8·7	5 33 9·30	...	+1·5008	+0·004	...	−49 48 53·3	...	+2·343	−0·22	...	3	9·07	49.742
1887	7·0	33 19·70	−0·01	1·6301	·004	−0·007	47 22 29·7	−0·1	2·328	·24	−0·04	3	8·04	47.620
1888	8·4	33 25·75	0·00	1·7860	·003	−0·001	44 5 54·9	0·0	2·319	·26	0·00	3	8·08	44.690
1889	8·3	33 27·57	0·00	1·6935	·004	0·000	46 5 3·2	0·0	2·316	·25	+0·01	3	8·04	46.601
1890	8·7	33 33·85	−0·01	1·6034	·004	−0·007	47 53 38·7	0·0	2·307	·23	+0·02	3	8·11	47.621
1891	9·5	5 33 34·79	...	+1·6701	+0·004	...	−46 33 58·2	...	+2·306	−0·24	...	3	8·10	46.603
1892	7·5	33 57·94	...	1·5796	·004	...	48 20 40·6	...	2·272	·23	...	3	9·04	48.684
1893	9·0	34 8·37	+0·02	1·8438	·003	+0·005	42 46 27·9	−0·4	2·257	·27	−0·12	4	6·59	42.709
1894	9·6†	34 9·16	...	1·9491	·003	...	40 13 30·5	...	2·256	·28	...	3	6·71	40.765
1895	8·5	34 14·25	0·00	1·3826	·004	+0·005	51 50 6·6	+0·1	2·249	·20	+0·14	3	9·06	51.741
1896	9·8	5 34 28·51	...	+1·5663	+0·004	...	−48 35 26·0	...	+2·228	−0·23	...	3	9·08	48.688
1897	9·1	34 29·38	0·00	1·7591	·003	+0·001	44 40 27·9	+0·1	2·227	·26	+0·05	3	8·02	44.692
1898	8·0	34 36·67	−0·01	1·9086	·003	−0·003	41 13 19·5	0·0	2·213	·28	+0·01	4	7·07	41.764
1899	8·2	34 41·91	−0·01	1·4629	·004	−0·006	50 28 2·9	0·0	2·208	·21	+0·04	3	9·08	50.810
1900	8·2	34 44·07	−0·01	1·6349	·004	−0·006	47 15 32·3	+0·1	2·205	·24	+0·04	3	8·06	47.624
1901	7·8	5 34 57·48	+0·02	+1·8323	+0·003	+0·007	−43 1 42·3	+0·7	+2·186	−0·27	+0·22	14	6·89	43.647
1902	8·8	34 57·90	...	1·8883	·003	...	41 42 32·0	...	2·185	·27	...	4	7·07	41.765
1903	9·0*	35 12·95	+0·01	1·8478	·003	+0·005	42 39 57·8	−0·1	2·164	·27	−0·02	4	7·08	42.713
1904	8·8	35 14·37	...	1·7827	·003	...	44 8 50·7	...	2·162	·26	...	3	8·08	44.695
1905	8·0	35 21·59	−0·02	1·6891	·004	−0·012	46 8 57·3	−0·9	2·151	·25	−0·47	3	8·08	46.609
1906	7·0	5 35 52·33	−0·01	+1·4488	+0·004	−0·006	−50 41 49·2	0·0	+2·107	−0·21	+0·03	3	9·03	50.813
1907	9·4	35 56·75	−0·01	1·7241	003	−0·003	45 24 35·2	+0·2	2·100	·25	+0·12	3	8·03	45.656
1908	8·6	36 3·20	+0·02	1·8836	·003	+0·007	41 48 25·3	−0·1	2·091	·27	−0·03	5	6·86	41.775
1909	9·0	36 11·66	...	1·9123	·003	...	41 6 36·6	...	2·079	·28	...	5	6·88	41.776
1910	9·6	36 22·97	...	1·5383	·004	...	49 5 16·6	...	2·062	·22	...	3	9·07	49.752
1911	9·4	5 36 34·86	0·00	+1·3893	+0·004	0·000	−51 41 33·1	0·0	+2·045	−0·20	−0·01	3	9·07	51.746
1912	9·1	36 44·86	−0·02	1·6133	·004	−0·009	47 39 29·4	0·0	2·030	·23	+0·02	3	8·05	47.630
1913	9·7	37 0·99	...	1·6679	·003	...	46 33 55·1	...	2·008	·24	...	3	8·03	46.612
1914	9·0	37 15·70	...	1·4927	·004	...	49 54 16·3	...	1·986	·22	...	3	9·03	49.754
1915	8·5	37 38·96	0·00	1·7050	·003	−0·001	45 47 26·7	+0·1	1·952	·25	+0·03	3	8·07	45.663
1916	8·8	5 37 44·95	0·00	+1·5099	+0·004	−0·004	−49 35 26·1	0·0	+1·944	−0·22	−0·03	3	9·07	49.758
1917	9·5	38 16·70	...	1·6853	·003	...	46 11 36·4	...	1·897	·25	...	3	8·03	46.616
1918	9·0*	38 18·79	+0·04	1·8840	·003	+0·012	41 46 15·0	+0·2	1·894	·27	+0·05	5	6·67	41.785
1919	8·3	38 18·93	−0·02	1·8607	·003	−0·007	42 19 20·0	−0·2	1·894	·27	−0·05	5	6·67	42.726
1920	9·4	38 40·00	...	1·9430	·003	...	40 19 13·2	...	1·864	·28	...	5	7·07	40.792

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	u_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1921	9·0	5 38 42·27	0·00	+1·3751	+0·004	−0·004	−51 54 12·7	+0·1	+1·860	−0·20	+0·12	3	9·03	51.756
1922	8·4	38 45·20	−0·01	1·7428	·003	−0·004	44 58 28·5	0·0	1·856	·25	+0·02	3	8·05	44.705
1923	7·0	38 54·64	0·00	1·5787	·004	−0·002	48 17 55·6	0·0	1·842	·23	+0·05	3	9·09	48.698
1924	8·5	38 59·24	0·00	1·4404	·004	+0·001	50 48 11·0	+0·1	1·835	·21	+0·07	3	9·11	50.824
1925	9·4	39 5·40	−0·02	1·5665	·004	−0·018	48 31 39·4	0·0	1·826	·23	−0·04	3	9·12	48.700
1926	7·5*	5 39 7·97	−0·01	+1·8069	+0·003	−0·003	−43 33 21·9	+0·1	+1·823	−0·26	+0·04	5	6·87	43.657
1927	9·0	39 49·39	−0·01	1·8085	·003	−0·002	43 30 41·5	−0·1	1·763	·26	−0·02	5	7·06	43.660
1928	9·0	39 51·39	−0·01	1·7937	·003	−0·002	43 50 43·1	+0·2	1·760	·26	+0·08	4	7·11	43.661
1929	8·9	39 54·24	0·00	1·9470	·003	0·000	40 12 26·0	0·0	1·755	·28	−0·01	4	7·07	40.800
1930	7·7	39 57·72	−0·01	1·7279	·003	−0·006	45 16 50·1	+0·1	1·750	·25	+0·04	3	8·02	45.671
1931	8·5	5 39 58·19	0·00	+1·8355	+0·003	+0·001	−42 53 35·5	−0·1	+1·750	−0·27	−0·02	4	7·11	42.733
1932	9·3	40 0·95	...	1·9227	·003	...	40 48 27·5	...	1·746	·28	...	5	6·72	40.802
1933	9·4	40 22·80	−0·01	1·7599	·003	−0·005	44 35 8·0	−0·2	1·714	·26	−0·13	4:2	8·08	44.707
1934	9·5	40 33·15	+0·01	1·8800	·003	+0·004	41 50 15·5	−0·1	1·699	·27	−0·05	4	7·09	41.788
1935	9·5	40 33·49	...	1·8638	·003	...	42 13 24·8	...	1·698	·27	...	4	7·07	42.735
1936	8·8	5 40 45·78	...	+1·5998	+0·004	...	−47 52 21·3	...	+1·680	−0·23	...	3	8·09	47.635
1937	8·2	40 49·44	...	1·6144	·003	...	47 35 21·1	...	1·675	·24	...	3	8·05	47.636
1938	7·0	40 50·84	0·00	1·6991	·003	0·000	45 52 43·1	+0·2	1·673	·25	+0·08	5	8·05	45.674
1939	8·1	40 57·35	−0·01	1·4914	·004	−0·008	49 53 9·2	0·0	1·664	·22	+0·04	5	9·04	49.767
1940	8·5	40 58·15	−0·01	1·9085	·003	−0·004	41 8 55·4	−0·1	1·663	·28	−0·03	5	6·86	41.791
1941	9·1	5 41 4·75	0·00	+1·4562	+0·004	−0·002	−50 30 24·9	+0·1	+1·653	−0·21	+0·13	3	9·09	50.829
1942	9·7	41 13·84	...	1·5287	·004	...	49 12 27·8	...	1·640	·22	...	3	9·11	49.768
1943	8·8	41 35·30	0·00	1·6806	·003	0·000	46 15 10·8	+0·1	1·609	·25	+0·03	3	8·07	46.625
1944	9·8	41 54·31	...	1·4041	·004	...	51 23 21·0	...	1·581	·21	...	3	9·12	51.764
1945	9·8	42 9·33	+0·01	1·7325	·003	+0·003	45 9 38·1	+0·1	1·559	·25	+0·03	3	8·04	45.681
1946	8·5	5 42 47·53	+0·01	+1·4701	+0·004	+0·007	−50 14 46·6	−0·1	+1·504	−0·21	−0·06	3	9·03	50.838
1947*	8·5	42 58·60	−0·01	1·8163	·003	−0·005	43 18 13·0	...	1·488	·26	...	5	7·13	43.670
1948	9·5	42 59·55	...	1·8369	·003	...	42 49 46·6	...	1·486	.27	...	5	6·67	42.741
1949	7·5	43 5·67	−0·02	1·6409	·003	−0·009	47 2 38·1	−0·1	1·477	·24	−0·03	3	8·04	47.648
1950	6·8	43 41·03	−0·01	1·6610	·003	−0·006	46 38 1·5	0·0	1·426	·24	+0·01	3	8·02	46.631
1951	8·1	5 43 47·00	0·00	+1·8641	+0·003	−0·001	−42 11 12·0	−0·1	+1·417	−0·27	−0·03	5	6·88	42.744
1952	8·6	43 50·32	0·00	1·5213	·003	−0·005	49 19 7·0	0·0	1·412	·22	+0·01	3	9·03	49.780
1953	8·0	44 5·72	−0·02	1·7468	·003	−0·008	44 50 5·0	0·0	1·390	·25	0·00	3	8·05	44.725
1954	7·8	44 6·44	+0·01	1·7068	·003	+0·003	45 41 10·2	+0·3	1·389	·25	+0·13	3	8·06	45.688
1955	9·0	44 11·07	...	1·9052	·003	...	41 11 50·5	...	1·382	·28	...	5	7·06	41.809
1956	7·0	5 44 20·66	−0·01	+1·8875	+0·003	−0·003	−41 37 26·6	−0·1	+1·368	−0·28	−0·03	5	7·10	41.810
1957	8·5	44 23·21	0·00	1·4323	·004	−0·005	50 53 24·2	+0·1	1·365	·21	+0·08	3	9·10	50.846
1958	7·0	44 45·37	−0·02	1·9258	·003	−0·005	40 41 11·5	0·0	1·332	·28	+0·01	5	6·89	40.824
1959	8·3	44 50·05	...	1·5824	·003	...	48 10 14·0	...	1·326	·23	...	3	9·12	48.721
1960	8·3	44 50·64	0·00	1·5499	·003	−0·002	48 46 57·4	0·0	1·325	·23	0·00	3	9·08	48.723

1947. $8^m·8$, $10^m·1$ 0″·9 9° Mass observed.

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
1961	9·8	5 45 0·00	...	+1·7833	+0·003	...	−44 1 33·7	...	+1·311	−0·26	...	3	8·05	44.727
1962	9·2	45 2·04	−0·01	1·3805	·004	−0·007	51 45 11·9	0·0	1·308	·20	+0·05	3	9·12	51.775
1963	8·5	45 12·83	−0·01	1·5637	·003	−0·012	48 31 18·9	0·0	1·292	·23	+0·03	3	9·07	48.724
1964	9·4	45 24·92	...	1·7452	·003	...	44 51 29·2	...	1·275	·25	...	3	8·06	44.730
1965	8·0	45 42·00	−0·03	1·8562	·003	−0·009	42 21 22·3	−0·3	1·250	·27	−0·08	5	6·66	42.752
1966	9·2	5 45 42·61	−0·01	+1·6340	+0·003	−0·005	−47 9 32·1	−0·1	+1·249	−0·24	−0·03	3	8·10	47.655
1967	9·1	45 52·95	...	1·8357	·003	...	42 49 59·9	...	1·234	·27	...	5	6·87	42.754
1968	9·3	45 55·84	...	1 9020	·003	...	41 15 38·9	...	1 230	·28	...	5	7·08	41.818
1969	9·6	45 58·94	...	1·6154	·003	...	47 31 15·8	...	1·225	·24	...	3	8·08	47.657
1970	7·9	46 8·06	−0·01	1·6741	·003	−0·006	46 20 47·0	0·0	1·212	·24	+0·01	3	8·01	46.637
1971	9·5*	5 47 2·47	−0·03	+1·8698	+0·003	−0·011	−42 1 30·7	−0·1	+1·133	−0·27	−0·02	5	6·85	42.758
1972	8·7	47 27·37	−0·01	1·7957	·003	−0·003	43 43 56·4	+0·5	1·097	·26	+0·17	5	6·87	43.698
1973	9·9	47 37·37	...	1·4796	·003	...	50 2 22·7	...	1·082	·22	...	3	9·07	50.855
1974	9·3	47 48·55	−0·01	1·4290	·003	−0·006	50 55 11·9	0·0	1·066	·21	+0·02	3	9·12	50.856
1975	7·3	47 49·57	0·00	1·5363	·003	−0·002	49 0 47·4	0·0	1·064	·22	+0·01	3	9·05	49.795
1976	8·8	5 48 1·62	−0·01	+1·6466	+0·003	−0·004	−46 53 25·9	−0·1	+1·047	−0·24	−0·05	5	8·05	46.648
1977	9·0	48 2·58	−0·01	1·7013	·003	−0·005	45 46 11·2	0·0	1·045	·25	−0·02	3	8·07	45.704
1978	9·2	48 10·44	...	1·3867	·004	...	51 37 44·8	...	1·034	·20	...	3	9·13	51.782
1979	9·0*	48 14·14	−0·03	1·8711	·003	−0·011	41 59 11·8	−0·3	1·029	·27	−0·08	5	6·87	41.829
1980	8·2	48 31·18	0·00	1·9455	·003	−0·001	40 10 15·2	0·0	1·004	·28	0·00	17	6 92	40.840
1981	8·9	5 48 32·52	...	+1·7583	+0·003	...	−44 33 9·0	...	+1·002	−0·26	...	3	8·09	44.739
1982	7·0	48 44·62	0·00	1·9066	·003	−0·001	41 7 44·6	0·0	0·984	·28	0·00	4	7·06	41.834
1983	8·5	48 48·89	0·00	1·7816	·003	+0·002	44 2 16·5	−0·4	0·978	·26	−0·19	3	8·08	44.741
1984	9·3	49 24·62	−0·01	1·5504	·003	−0·010	48 44 27·3	0·0	0·926	·23	+0·01	3	9·04	48.736
1985	9·0	49 31·28	...	1·8218	·003	...	43 7 39·2	...	0·916	·27	...	4	7·13	43.706
1986	8·8	5 49 42·10	...	+1·8363	+0·003	...	−42 47 39·5	...	+0·900	−0·27	...	4	7·03	42 766
1987	9·2	49 49·12	0·00	1·4588	·003	−0·001	50 23 33·8	−0·1	0·890	·21	−0·09	3	9·11	50.865
1988	9·2	49 51·46	...	1·5031	·003	...	49 36 24·3	...	0·887	·22	..	3	9·12	49.799
1989	8·1	50 0·67	0·00	1·7221	·003	−0·002	45 19 17·8	−0·1	0·873	·25	−0·04	3	8·06	45.712
1990	10·0	50 3·33	...	1·6096	·003	...	47 36 37·3	...	0·870	·23	...	3	8·10	47.670
1991	8·8	5 50 11·07	−0·01	+1·8711	+0·003	−0·004	−41 58 31·5	0·0	+0·858	−0·27	+0·01	4	6·83	41.838
1992	8·1	50 17·70	0·00	1·5685	·003	−0·002	48 23 52·1	0·0	0·849	·23	−0·01	3	9·08	48.742
1993	8·0	50 27·11	−0·02	1·8018	·003	−0·005	43 34 36·0	−0·2	0·835	·26	−0·07	5	6·89	43.710
1994	7·5	50 30·35	−0·01	1·5906	·003	−0·004	47 58 32·1	−0·1	0·830	·23	−0·03	4	8·07	47.672
1995	9·5	50 38·07	...	1·9347	·003	...	40 25 35·0	...	0·819	·28	...	4	7·09	40.858
1996	8·6	5 50 38·47	−0·01	+1·7107	+0·003	−0·006	−45 33 28·3	0·0	+0·818	−0·25	−0·01	3	8·11	45.718
1997	8·5	50 45·50	−0·01	1·8592	·003	−0·002	42 15 6·6	+0·3	0·808	·27	+0·10	4	7·06	42.776
1998	8·5	50 56·40	−0·01	1·8965	·003	−0·005	41 21 43·7	−0·1	0·792	·28	−0·04	5	7·10	41.841
1999	7·9	51 29·21	−0·01	1·6300	·003	−0·006	47 12 9·8	0·0	0·744	·24	0·00	3	8·05	47.677
2000	9·0	51 40·99	...	1·6571	·003	...	46 39 36·8	...	0·727	·24	...	3	8·09	46.661

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2001	8·6	5 51 52·36	−0·02	+1·8838	+0·003	−0·007	−41 39 51·8	−0·1	+0·711	−0·28	−0·03	5	7·07	41.843
2002	9·3	51 55·87	...	1·8353	·003	...	42 48 15·1	...	0·706	·27	...	5	6·67	42.781
2003	9·1	52 0·48	+0·03	1·3713	·003	+0·026	51 51 33·0	0·0	0·699	·20	0·00	3	9·02	51.797
2004	6·5*	52 11·00	0·00	1·5004	·003	−0·004	49 38 35·4	0·0	0·684	·22	+0·02	3	9·07	49.807
2005	8·3	52 32·38	0·00	1·6972	·003	−0·002	45 49 52·9	0·0	0·652	·25	−0·02	3	8·08	45.725
2006	7·9	5 52 37·55	0·00	+1·4226	+0·003	+0·003	−51 0 14·3	0·0	+0·645	−0·21	+0·02	5	9·12	51.798
2007	8·9	52 41·92	−0·01	1·4460	·003	−0·008	50 36 11·6	+0·1	0·639	·21	+0·06	3	9·12	50.870
2008	9·4	52 43·44	...	1·7462	·003	...	44 47 30·9	...	0·636	·25	...	3	8·09	44.747
2009	8·8	52 51·28	+0·01	1·7678	·003	+0·005	44 19 19·4	−0·2	0·625	·26	−0·12	3	8·11	44.748
2010	9·0	52 59·44	−0·02	1·9009	·003	−0·005	41 14 57·4	−0·1	0·613	·28	−0·02	6	6·88	41.849
2011	8·6	5 53 9·83	−0·01	+1·5379	+0·003	−0·012	−48 57 26·7	+0·1	+0·598	−0·22	+0·14	3	9·02	48.754
2012	9·6	53 17·86	...	1·6800	·003	...	46 11 13·5	...	0·586	·25	...	3	8·07	46.667
2013	7·2	53 56·17	+0·01	1·7812	·003	+0·004	44 1 19 4	+0·2	0·530	·26	+0·08	5	8·09	44.751
2014	8·8	54 2·52	0·00	1·6621	·003	+0·001	46 32 51·2	0·0	0·521	·24	0·00	3	8·08	46.670
2015	9·5	54 8·38	−0·01	1·5100	·003	−0·010	49 27 45·3	0·0	0·512	·22	+0·04	3	9·11	49.821
2016	8·5	5 54 16·74	−0·01	+1·3829	+0·003	−0·006	−51 39 49·6	0·0	+0·500	−0·20	−0·03	3	9·02	51.803
2017	8·5	54 23·18	0·00	1·9457	·003	−0·001	40 8 15·9	+0·1	0·491	·28	+0·03	5	6·50	40.882
2018	7·9	54 25·29	−0·01	1·9062	·003	−0·004	41 6 53·9	0·0	0·488	·28	+0·01	5	7·07	41.856
2019	9·5	54 34·34	...	1·6150	·003	...	47 29 12·6	...	0·475	·24	...	3	8·07	47.687
2020	9·2	54 44·87	...	1·7000	·003	...	45 46 1·9	...	0·459	·25	...	3	8·11	45.731
2021	8·5	5 54 49·36	0·00	+1·7996	+0·003	0·000	−43 36 39·2	−0·1	+0·453	−0·26	−0·04	5	7·08	43.722
2022	9·1	55 4·48	−0·04	1·8574	·003	−0·015	42 16 41·1	−0·3	0·431	·27	−0·10	5	7·08	42.788
2023	8·1	55 5·19	0·00	1·5745	·003	+0·001	48 15 55·2	0·0	0·430	·23	+0·01	3	9·10	48.757
2024	9·0	55 58·64	−0·03	1·8210	·003	−0·010	43 7 18·5	−0·2	0·352	·27	−0·06	4	7·14	43.727
2025	9·3	55 59·32	...	1·4632	·003	...	50 17 40·5	...	0·351	·21	...	3	9·02	50.874
2026	9·4	5 56 34·56	0·00	+1·4406	+0·003	0·000	−50 41 3·8	+0·2	+0·299	−0·21	+0·17	3	9·11	50.878
2027	7·5	56 40·84	0·00	1·4087	·003	−0·003	51 13 42·9	0·0	0·290	·21	+0·01	3	9·10	51.810
2028	9·3	56 47·50	−0·02	1·5945	·003	−0·009	47 52 40·7	+0·3	0·280	·23	+0·14	3	8·07	47.694
2029	8·5	56 57·36	−0·01	1·7222	·003	−0·006	45 17 43·1	+0·1	0·266	·25	+0·03	3	8·03	45.740
2030	9·8	57 5·25	...	1·5470	·003	...	48 46 36·0	...	0·255	·23	...	3	9·06	48.759
2031	8·9	5 57 12·48	...	+1·6586	+0·003	...	−46 36 40·0	...	+0·244	−0·24	...	3	8·10	46.676
2032	9·0	57 46·97	...	1·7406	·003	...	44 53 58·8	...	0·194	·25	...	3	8·07	44.766
2033	7·3*	57 47·77	−0·03	1·8317	·003	−0·008	42 52 20·3	−0·1	0·192	·27	−0·04	6	6·45	42.801
2034	8·0	58 2·14	0·00	1·7678	·003	+0·002	44 18 32·1	0·0	0·172	·26	+0·02	3	8·05	44.768
2035	7·4	58 6·51	0·00	1·7861	·003	−0·001	43 54 17·2	+0·1	0·166	·26	+0·02	18	6·82	43.742
2036	8·3	5 58 14·68	+0·01	+1·3941	+0·003	+0·007	−51 28 8·7	0·0	+0·154	−0·20	−0·03	3	9·08	51.816
2037	9·3	58 14·82	...	1·4844	·003	...	49 54 50·4	...	0·153	·22	...	3	9·12	49.837
2038	8·5	58 33·46	−0·01	1·6723	·003	−0·007	46 19 54·4	+0·2	0·126	·24	+0·10	3	8·07	46.682
2039	9·1	58 57·45	0·00	1·3709	·003	+0·003	51 51 2·4	0·0	0·091	·20	−0·04	5	9·06	51.821
2040	8·6	59 4·51	0·00	1·9410	·002	0·000	40 14 58·4	+0·2	0·081	·28	+0·07	4	7·06	40.898

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2041	8·4	5 59 5·72	0·00	+1·5303	+0·003	0·000	−49 5 3·3	0·0	+0·079	−0·22	−0·03	3	9·12	49.838
2042	9·3	59 16·55	...	1·7898	·003	...	43 49 20·6	...	0·063	·26	...	5	7·08	43.745
2043	9·1	59 21·72	−0·01	1·5385	·003	−0·012	48 56 0·5	0·0	0·056	·22	+0·04	3	9·08	48.767
2044	9·5	59 31·06	...	1·9041	·002	...	41 9 18·0	...	0·042	·28	...	4	7·10	41.877
2045	8·4	59 32·31	...	1·6181	·003	...	47 24 53·5	...	0·042	·24	...	3	8·03	47.701
2046	9·2	5 59 48·33	−0·01	+1·6505	+0·003	−0·005	−46 46 15·8	−0·1	+0·017	−0·24	−0·04	3	8·06	46.688
2047	9·5	59 51·66	0·00	1·4455	·003	−0·002	50 35 50·9	0·0	0·012	·21	+0·04	3	9·12	50.892
2048	9·7	59 53·26	...	1·6072	·003	...	47 37 47·4	...	0·010	·23	...	3	8·09	47.702
2049	9·3	6 0 0·52	...	1·8251	·002	...	43 1 24·6	...	−0·001	·27	...	4	7·07	43.747
2050	8·5	0 10·06	...	1·8821	·002	...	41 41 12·1	...	0·015	·27	...	4	6·82	41.880
2051	8·5*	6 0 17·12	0·00	+1·8536	+0·002	0·000	−42 21 33·2	−0·2	−0·025	−0·27	−0·06	4	6·14	42.814
2052	8·8	0 22·82	−0·01	1·7421	·002	−0·003	44 51 57·7	+0·1	0·033	·25	+0·04	3	8·11	44.775
2053	8·6	0 28·48	+0·01	1·7270	·002	+0·004	45 11 25·9	−0·1	0·042	·25	−0·03	3	8·05	45.751
2054*	8·0*	1 4 08	−0·01	1·9045	·002	−0·004	41 8 57 4	−0·3	0·093	·28	−0·09	4	6·61	41.885
2055	9·3	1 20·75	...	1·7762	·002	...	44 7 26·1	...	0·118	·26	...	3	8·06	44.778
2056	9·0	6 1 21·82	...	+1·7877	+0·002	...	−43 52 3·8	...	−0·119	−0·26	...	4:5	7·05	43.752
2057	9·6	1 22·03	...	1·5087	·003	...	49 28 41·5	...	0 120	·22	...	3	9·02	49.851
2058	9·7	1 32·39	...	1·4621	·003	...	50 18 38·4	...	0·135	·21	...	3	9·11	50.895
2059	7·9	1 38·36	0·00	1·4166	·002	−0·002	51 5 29·0	0·0	0·144	·21	0·00	3	9·12	51.828
2060	8·0	1 48·86	−0·01	1·6152	·002	−0·006	47 28 32·3	+0·2	0·159	·24	+0·12	3	8·04	47.711
2061	8·5*	6 2 8·10	−0·02	+1·8297	+0·002	−0·005	−42 55 11·6	0·0	−0·187	−0·27	−0·01	4	6·13	42.822
2062*	7·0*	2 11·32	−0·01	1·5645	·002	−0·014	48 26 56·6	0·0	0·192	·23	−0·04	3	9·06	48.777
2063	7·8	2 14·98	0·00	1·9490	·002	0·000	40 3 2·4	0·0	0·197	·28	0·00	4:5	6·59:6·69	40.908
2064	7·9	2 51·59	−0·02	1·7852	·002	−0·007	43 55 29·3	−0·3	0·250	·26	−0·08	4	6·83	43.759
2065	9·0	2 52·66	0·00	1·9434	·002	0·000	40 11 26·2	0·0	0·252	·28	−0·01	4	7·08	40.910
2066	7·8	6 3 21·20	0·00	+1·6980	+0·002	+0·001	−45 48 9·9	−0·1	−0·293	−0·25	−0·07	3	8·03	45.757
2067	7·3	3 29·14	0·00	1·9022	·002	−0·001	41 12 27·5	0·0	0·305	·28	−0·01	5:6	6·71:6·77	41.894
2068	9·1	4 6·30	−0·01	1·6641	·002	−0·004	46 30 13·3	−0·2	0·359	·24	−0·09	3	8·07	46.704
2069	7·4	4 7·80	+0·01	1·7324	·002	+0·005	45 4 45·1	+0·1	0·361	·25	+0·03	3	8·07	45.763
2070	8·0	4 10·65	0·00	1·5236	·002	−0·001	49 12 41·9	+0·1	0·365	·22	+0·07	3	9·02	49.861
2071	7·6	6 4 12·64	−0·02	+1·6793	+0·002	−0·012	−46 11 28·2	−0·1	−0·368	−0·24	−0·03	3	8·05	46.705
2072	8·3	4 14·09	−0·03	1·8879	·002	−0·008	41 33 7·9	0·0	0·370	·28	−0·01	5	6·32	41.897
2073	8·8	4 16·49	−0·01	1·5525	·002	−0·006	48 40 34·7	0·0	0·374	·23	+0·01	3	9·11	48.782
2074	9·1	4 27·57	...	1·3856	·002	...	51 36 56·2	...	0·390	·20	...	3	9·12	51.838
2075	9·8	4 35·31	...	1·8360	·002	...	42 46 45·3	...	0·401	·27	...	4:5	7·06	42.834
2076	9·4	6 4 38·39	...	+1·5846	+0·002	...	−48 4 17·5	...	−0·406	−0·23	...	3	9·13	48.784
2077	6·0*	4 46·51	−0·02	1·8633	·002	−0·005	42 8 17·6	−0·1	0·418	·27	−0·03	4	6·62	42.836
2078	7·3	4 51·98	−0·01	1·7494	·002	−0·004	44 42 53·1	0·0	0·426	·26	+0·02	3	8·07	44.793
2079	8·5	5 0·02	−0·01	1·7610	·002	−0·004	44 27 47·0	0·0	0·437	·26	−0·01	3	8·08	44.794
2080	8·0	5 17·99	−0·03	1·9003	·002	−0·008	41 15 21·7	−0·3	0·464	·28	−0·09	4	6 85	41.901

2054. $8^m·8$, $8^m·8$ 3″·1 133° Mass observed.
2062. $7^m·7$, $7^m·9$ 1″·7 40° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2081	8·6	6 5 32·93	−0·01	+1·6480	+0·002	−0·003	−46 49 55·5	−0·1	−0·485	−0·24	−0·05	3	8·03	46.711
2082	8·0	5 35·95	...	1·8357	·002	...	42 47 22·7	...	0·490	·27	...	4	6·83	42.842
2083	7·8	5 47·33	−0·03	1·7914	·002	−0·008	43 47 41·6	0·0	0·506	·26	0·00	4	6·06	43.763
2084	8·5	5 48·84	−0·01	1·4952	·002	−0·006	49 43 47·2	0·0	0·509	·22	−0·02	3	9·02	49.864
2085	8·8	5 50·31	−0·01	1·4238	·002	−0·009	50 58 40·4	0·0	0·511	·21	+0·03	3	9·12	50.908
2086	9·8	6 5 50·96	...	+1·4722	+0·002	...	−50 8 25·2	...	−0·512	−0·21	...	3	9·11	50.907
2087	7·5*	5 51·84	−0·01	1·9069	·002	−0·002	41 5 58·6	−0·2	0·513	·28	−0·06	7	6·42	41.903
2088	9·1	6 11·68	−0·02	1·8410	·002	−0·005	42 40 2·0	0·0	0·542	·27	0·00	4	6·85	42.845
2089	7·5	6 32·77	−0·03	1·8710	·002	−0·011	41 57 40·6	+0·1	0·573	·27	+0·02	4:5	6·84:6·88	41.905
2090	9·3	6 44·74	−0·02	1·6279	·002	−0·011	47 14 10·6	+0·1	0·590	·24	+0·04	3	8·04	47.725
2091	9·5	6 6 54·42	...	+1·8609	+0·002	...	−42 12 15·0	...	−0·604	−0·27	...	4	7·09	42.849
2092	6·0*	6 56·70	−0·01	1·9380	·002	−0·004	40 20 6·8	+0·2	0·607	·28	+0·05	4	6·61	40.930
2093	9·0	7 2·03	−0·03	1·9023	·002	−0·010	41 12 47·3	+0·1	0·615	·28	+0·03	4	6·85	41.906
2094	9·2	7 5·21	+0·01	1·6629	·002	+0·006	46 32 9·9	+0·1	0·620	·24	+0·04	3	8·04	46.719
2095	7·7	7 7·66	−0·01	1·4008	·002	−0·006	51 22 13·3	0·0	0·623	·20	+0·05	3	9·02	51.850
2096	6·5	6 7 47·40	−0·01	+1·7245	+0·002	−0·004	−45 15 35·0	0·0	−0·681	−0·25	−0·02	3	8·04	45.775
2097	8·1	7 54·29	0·00	1·5394	·002	−0·004	48 56 0·8	0·0	0·691	·22	−0·03	3	9·07	48.796
2098	8·4	8 9·51	−0·01	1·7437	·002	−0·004	44 51 1·8	0·0	0·714	·25	−0·01	3	8·06	44.803
2099	8·9	8 37·14	0·00	1·7640	·002	0·000	44 24 43·4	0·0	0·754	·26	+0·02	3	8·06	44.806
2100	9·2	8 47·94	...	1·6947	·002	...	45 53 24·4	...	0·769	·25	...	3	8·08	45.782
2101	8·9	6 8 53·89	−0·01	+1·6746	+0·002	−0·004	−46 18 16·9	+0·2	−0·778	−0·24	+0·08	3	8·09	46.731
2102	9·0	9 28·20	...	1·6213	·002	...	47 22 43·4	...	0·828	·24	...	3	8·07	47.734
2103	7·9	9 28·27	0·00	1·4370	·002	−0·004	50 45 58·6	0·0	0·828	·21	0·00	3	9·02	50.921
2104	7·5*	9 28·65	−0·03	1·8281	·002	−0·009	42 58 47·6	0·0	0·829	·27	−0·01	7	6·28	42.861
2105	9·4	9 35·58	...	1·8820	·002	...	41 42 53·3	...	0·839	·27	...	4	6·59	41.913
2106	8·3	6 9 40·69	−0·03	+1·8009	+0·002	−0·009	−43 35 51·5	−0·5	−0·846	−0·26	−0·16	4:5	7·06	43.777
2107	9·1	9 54·38	...	1·8513	·002	...	42 26 28·5	...	0·866	·27	...	4	7·09	42.864
2108	9·4	9 55·15	0·00	1·5972	·002	+0·002	47 51 2·0	0·0	0·867	·23	+0·01	3	8·04	47.737
2109	8·8	9 55·26	0·00	1·5182	·002	−0·003	49 20 0·2	0·0	0·868	·22	−0·01	3	9·07	49.879
2110	9·0	9 59·67	−0·02	1·8021	·002	−0·007	43 34 16·2	+0·1	0·874	·26	+0·03	5	7·11	43.780
2111	8·5	6 10 2·69	−0·01	+1·9306	+0·002	−0·002	−40 32 2·1	+0·1	−0·878	−0·28	+0·02	5	6·89	40.945
2112	8·8	10 31·43	0·00	1·4157	·002	+0·001	51 8 12·1	0·0	0·920	·21	+0·03	3	9·02	51.866
2113	8·4	10 33·08	0·00	1·7357	·002	−0·001	45 1 58·8	−0·1	0·923	·25	−0·04	3	8·04	45.788
2114	8·8	10 53·60	0·00	1·7508	·002	+0·002	44 42 41·9	0·0	0·952	·25	−0·01	3	8·06	44.815
2115	7·5	11 3·60	−0·01	1·8859	·002	−0·004	41 37 52·3	+0·1	0·967	·27	+0·04	6	6·30	41.921
2116	9·4	6 11 6·78	+0·01	+1·8711	+0·002	+0·003	−41 58 55·8	+0·3	−0·972	−0·27	+0·09	5	6·88	41.922
2117	7·3	11 23·18	0·00	1·3861	·002	−0·004	51 38 9·5	0·0	0·996	·20	−0·04	3	9·07	51.869
2118	9·4	11 27·96	...	1·4619	·002	...	50 20 45·0	...	1·003	·21	...	3	9·12	50.928
2119	8·8	11 43·38	0·00	1·4941	·002	+0·004	49 46 41·9	−0·1	1·025	·22	−0·10	3	9·02	49.894
2120	9·7†	11 51·62	...	1·9495	·002	...	40 4 16·3	...	1·037	·28	...	5	6·69	40.956

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2121	8·8	6 12 4·68	+0·01	+1·5499	+0·002	+0 006	−48 45 38·8	0·0	−1·056	−0·22	+0·05	3	9·13	48.809
2122	9·7	12 8·76	...	1·3662	·002	...	51 58 0·0	...	1·062	·20	...	3	9·13	51.873
2123	8·8	12 12·34	0·00	1·5704	·002	+0·004	48 22 37·0	0·0	1·067	·23	+0·01	3	9·10	48.811
2124	9·4	12 15·07	−0·03	1·8730	·002	−0·008	41 56 42·3	0·0	1·071	·27	+0·01	4	6·83	41.928
2125	9·0*	12 30·57	−0·01	1·8217	·002	−0·004	43 8 38·4	0·0	1·094	·27	−0·01	5	6·32	43.788
2126	9·0	6 12 44·39	−0·01	+1·7820	+0·002	−0·003	−44 2 15·4	−0·1	−1·114	−0·26	−0·07	3	8·03	44.828
2127	8·6	12 51·86	−0·01	1·6858	·002	−0·004	46 5 52·5	0·0	1·125	·25	+0·02	3	8·04	46.753
2128	9·3	12 58·41	0·00	1·6955	·002	−0·001	45 53 54·3	0·0	1·134	·25	+0·02	3	8·09	45.799
2129	8·5	13 0·87	−0·02	1·7573	·002	−0·012	44 35 4·9	+0·1	1·138	·25	+0·03	3	8·11	44.831
2130	9·0	13 1·04	−0·01	1·6486	·002	−0·003	46 51 27·1	0·0	1·138	·24	0·00	3	8·11	46.755
2131	9·5	6 13 18·60	...	+1·9036	+0·002	...	−41 13 4·4	...	−1·149	−0·28	...	5	6·50	41.930
2132	8·1	13 33·80	−0·01	1·6013	·002	−0·004	47 47 35·8	0·0	1·186	·23	−0·02	3	8·10	47.747
2133	9·4	13 53·47	−0·02	1·7277	·002	−0·008	45 13 42·2	0·0	1·214	·25	0·00	3	8·05	45 801
2134	9·3	14 38 01	−0·01	1·6746	·002	−0·006	46 20 28·8	−0·1	1·279	·24	−0·04	3	8·06	46.759
2135	9·5	14 41·53	...	1·6328	·002	...	47 11 6·0	...	1·284	·24	...	3	8·07	47.759
2136	9·3*	6 14 41·80	−0·01	+1·8310	+0·002	−0·004	−42 56 44·7	−0·3	−1·285	−0·27	−0·08	5	6·50	42.884
2137	9·8	14 52·88	...	1·8600	·002	...	42 16 20·1	...	1·301	·27	...	5	6·87	42.885
2138	8·4	15 22·80	0·00	1·5179	·002	−0·002	49 22 32 7	+0·1	1·344	·22	+0·06	3	9·02	49 913
2139	8·1	15 25·64	0·00	1·4020	·002	−0·002	51 24 2·8	0·0	1·348	·20	+0·01	3	9·07	51.888
2140	9·0	15 37·62	0·00	1·9433	·002	+0·001	40 15 24·1	−0·1	1·366	·28	−0·02	5	6·52	40.975
2141	9·3	6 15 40·13	0·00	+1·6556	+0·002	+0·002	−46 44 15·0	+0·3	−1·370	−0·24	+0·15	3	8·03	46.765
2142	8·5	15 40·37	0·00	1·5568	·002	+0·001	48 39 28 3	0·0	1·370	·23	+0·01	3	9·11	48.824
2143	8·0*	15 54·22	−0·01	1·9120	.002	−0·004	41 1 56·2	0·0	1·390	·28	+0·01	5	6·68	41.937
2144	8·7	15 55·27	−0·02	1·8829	·002	−0·006	41 44 15·1	+0·1	1·392	·27	+0·02	5	7·06	41.938
2145	8·9	16 9·23	...	1·6990	·002	...	45 50 59·2	...	1 412	·25	...	3	8·07	45.815
2146	9·0*	6 16 16·21	−0·01	+1·8532	+0·002	−0·005	−42 26 31·1	0·0	−1·422	−0·27	−0·01	5	7·09	42.890
2147	7·0	16 20·16	0·00	1·4657	·002	−0·002	50 18 59·6	0·0	1·428	·21	+0·01	3	9 04	50.953
2148	8·1	16 24·85	−0·02	1·8361	·002	−0·006	42 50 35·3	−0·1	1·434	·27	−0·02	5	7·09	42.891
2149	8·5	16 34·73	...	1·7773	·002	..	44 10 23·5	...	1 449	·26	...	3	8 09	44.848
2150	8·1	16 41·32	0·00	1·5728	·002	0·000	48 21 56·1	0·0	1·459	·23	0·00	3	9·07	48.829
2151	9·3	6 16 41·97	...	+1·4863	+0·002	...	−49 57 15·3	...	−1·460	−0·22	...	3	9·12	49.918
2152	8·5*	16 46·61	−0·01	1·8309	·002	−0·002	42 58 3·6	0·0	1·466	·27	+0·01	5	6·52	42.895
2153	9·1	16 50·17	+0·01	1·5949	·002	+0·003	47 56 40·3	+0·1	1·471	·23	+0·07	3	8·06	47.772
2154	8·5	16 50·37	+0·04	1·7917	·002	+0·015	43 51 19·3	−0·2	1·472	·26	−0·08	5	7·06	43.818
2155	8·4	17 6·54	...	1·8735	·002	...	41 58 15 4	...	1·495	·27	...	5	7·08	41.945
2156	9·3	6 17 20·63	−0·01	+1·4355	+0·001	−0·007	−50 51 1·5	0·0	−1·516	−0·21	0·00	3	9·04	50.955
2157	8·8	17 24·23	−0·01	1·6348	·002	−0·003	47 10 3·5	+0·1	1·521	·24	+0·04	3	8·05	47.775
2158	9·0	17 41·62	...	1·8983	·002	...	41 22 56·0	...	1·546	·27	...	5	6·70	41.950
2159	8·4	17 49·86	+0·04	1·7517	·002	+0·020	44 44 40·7	0·0	1·558	·25	+0·02	3	8·05	44.858
2160	9·4	18 11·64	...	1·3825	·001	...	51 44 55·3	...	1·590	·20	...	3	9·08	51.895

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2161	9·0	6 18 22·02	−0·02	+1·8228	+0·002	−0·006	−43 10 5·6	−0·2	− 1·605	−0·26	−0·07	5	7·13	43. 836
2162	9·3	18 36·70	...	1·6094	·002	...	47 40 46·8	...	1·626	·23	...	3	8·05	47. 786
2163	9·0*	18 49·68	0·00	1·8636	·002	+0·001	42 13 21·3	−0·1	1·645	·27	−0·03	5	6·52	42. 905
2164	8·7	18 50·86	...	1·6876	·002	...	46 6 49·7	...	1·647	·24	...	3	8·05	46. 796
2165	8·7	19 2·95	−0·01	1·5246	·001	−0·015	49 17 10·1	0·0	1·664	·22	+0·03	3	9·04	49. 929
2166	9·2	6 19 21·46	...	+1·7943	+0·002	...	−43 49 23·4	...	− 1·691	−0·26	...	6	7·06	43. 840
2167	7·0	19 28·24	0·00	1·4168	·001	+0·001	51 11 15·2	0·0	1·701	·20	+0·05	3	9·08	51. 898
2168	9·0	19 40·40	−0·02	1·9028	·002	−0·005	41 17 39·4	−0·2	1·719	·28	−0·05	5	6·70	41. 964
2169	7·7	20 3·87	−0·01	1·7140	·002	−0·006	45 34 37·8	0·0	1·753	·25	−0·02	3	8·03	45. 842
2170	8·8*	20 5·64	−0·01	1·8315	·002	−0·002	42 59 9·1	−0·1	1·755	·26	−0·05	5	7·08	42. 908
2171	9·3	6 20 6·58	−0·07	+1·8620	+0·002	−0·021	−42 16 23·3	0·0	− 1·757	−0·27	0·00	4	6·62	42. 909
2172	8·4	20 14·86	0·00	1·4829	·001	−0·003	50 2 57·8	+0·1	1·769	·21	+0·07	3	9·04	50. 961
2173	9·8	20 16·53	...	1·7732	·002	...	44 18 2·5	...	1·771	·26	...	3	8·08	44. 873
2174	9·3	20 23·59	0·00	1·5547	·001	−0·001	48 44 33·4	0·0	1·782	·22	0·00	3	9·11	48. 842
2175	8·5	20 27·93	+0·03	1·6563	·002	+0·014	46 46 9·5	−0·2	1·788	·24	−0·09	3	8·08	46. 808
2176	8·6	6 20 36·90	0·00	+1·5668	+0·001	+0·002	−48 31 5·1	+0·1	− 1·801	−0·23	+0·09	3	9·07	48. 845
2177	9·7	20 44·51	...	1·6195	·002	...	47 30 20·1	...	1·812	·23	..	3	8·11	47. 795
2178	9·0	20 55·59	−0·02	1·9493	·002	−0·007	40 9 31·3	+0·1	1·828	·28	+0·03	4	7·07	40.1005
2179	8·2	21 4·97	+0·06	1·6992	·002	+0·031	45 53 50·0	+0·3	1·842	·25	+0·15	3	8·03	45. 848
2180	9·0†	21 10·28	...	1·8001	·002	...	43 42 46·7	...	1·849	·26	...	5	6·91	43. 853
2181	7·5	6 21 21·05	−0·04	+1·8395	+0·002	−0·013	−42 48 51·6	+2·3	− 1·865	−0·27	+0·73	4	6·83	42. 915
2182	8·4	21 35·28	...	1·8903	·002	...	41 36 53·8	...	1·886	·27	...	5	7·10	41. 976
2183*	8·0	21 41·30	0·00	1·4598	·001	−0·003	50 28 29·9	0·0	1·894	·21	+0·04	3	9·02	50. 965
2184	9·0	21 42·04	−0·01	1·8163	·002	−0·002	43 21 6·4	+0·1	1·895	·26	+0·03	4	7·13	43. 859
2185	9·4	21 54·97	...	1·7249	·002	...	45 21 56·0	...	1·914	·25	...	3	8·06	45. 858
2186	8·8	6 22 13·11	+0·01	+1·6734	+0·002	+0·004	−46 26 28·2	0·0	− 1·941	−0·24	+0·01	3	8·06	46. 823
2187	9·5*	22 15·23	−0·01	1·8771	·002	−0·002	41 56 23·0	−0·4	1·944	·27	−0·11	4	6·59	41. 981
2188	8·8	22 29·43	+0·01	1·5341	·001	+0·006	49 9 5·1	+0·1	1·964	·22	+0·13	3	9·11	49. 944
2189	8·3	22 58·72	0·00	1·3837	·001	0·000	51 46 52·3	0·0	2·007	·20	−0·01	3	9·05	51. 907
2190*	6·0*	23 4·72	0·00	1·5895	·001	−0·004	48 7 1·1	0·0	2·015	·23	−0·03	5	9·09	48. 856
2191	9·2	6 23 6·26	...	+1·7626	+0·002	...	−44 33 59·1	...	− 2·018	−0·25	...	3	8·05	44. 892
2192	9·6	23 13·33	...	1·6331	·001	...	47 16 3·0	...	2·028	·24	...	3	8·07	47. 811
2193	8·7	23 17·83	0·00	1·4260	·001	−0·001	51 4 38·6	+0·1	2·034	·21	+0·13	3	9·13	51. 909
2194	9·1†	23 21·84	...	1·8500	·002	...	42 35 37·6	...	2·041	·27	...	5	6·68	42. 929
2195	8·0	23 22·09	...	1·4970	·001	...	49 50 11·6	...	2·041	·22	...	3	9·11	49. 946
2196	8·6	6 23 55·67	−0·01	+1·9061	+0·002	−0·003	−41 15 40·9	−0·1	− 2·089	−0·28	−0·03	5	6·70	41. 989
2197	8·5	24 1·71	...	1·6507	·001	...	46 55 38·5	...	2·098	·24	...	3	8·06	46. 838
2198	8·5	24 25·27	−0·01	1·7843	·002	−0·004	44 6 26·8	+0·1	2·132	·26	+0·05	5	8·08	44. 905
2199	8·1	24 28·22	0·00	1·6089	·001	−0·002	47 45 33·5	+0·1	2·136	·23	+0·05	3	8·07	47. 819
2200	9·3	24 33·92	...	1·5828	·001	...	48 15 48·5	...	2·145	·23	...	3	9·02	48. 860

2183. $8^m·2$, $10^m·2$ 1″·5 314° Mass observed.
2190. $6^m·1$, $9^m·0$ 1″·6 130° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2201	8·0	6 24 36·32	0·00	+1·9144	+0·002	−0·001	−41 4 15·1	+0·3	−2·148	−0·28	+0·09	5	7·07	41. 994
2202	9·3	24 39·36	...	1·4574	·001	...	50 33 14·7	...	2·153	·21	...	3	9·08	50. 976
2203	9·9	24 48·83	...	1·3907	·001	...	51 41 26·0	...	2·166	·20	...	3	9·12	51. 914
2204	9·5	25 2·30	...	1·8732	·002	...	42 4 11·5	...	2·186	·27	..	5	6·88	42. 932
2205	8·7	25 16·58	+0·01	1·7305	·001	+0·006	45 17 23·2	0·0	2·206	·25	0·00	3	8·06	45. 879
2206	8·5*	6 25 52·06	−0·03	+1·8670	+0·002	−0·008	−42 13 38·0	+0·1	−2·258	−0·27	+0·04	5	6·70	42. 937
2207	8·0	25 52·07	0·00	1·9459	·002	0·000	40 18 21·6	0·0	2·258	·28	0·00	5	6·33	40.1031
2208	8·7	25 54·16	−0·02	1·8950	·002	−0·006	41 33 33·0	−0·1	2·261	·27	−0·04	5	7·08	41. 997
2209	7·5	26 1·07	−0·01	1·7111	·001	−0·003	45 42 41·3	+0·1	2·271	·25	+0·03	3	8·06	45. 887
2210	8·9	26 2·73	−0·02	1·7648	·002	−0·008	44 33 31·0	0·0	2·273	·25	0·00	3	8·11	44. 920
2211	8·0	6 26 3·53	−0·02	+1·8509	+0·002	−0·005	−42 36 29·1	−0·3	−2·275	−0·27	−0·09	5	6·68	42. 940
2212	8·3	26 9·83	0·00	1·5331	·001	−0·001	49 13 8·1	0·0	2·284	·22	−0·02	3	9·02	49. 954
2213	8·5	26 31·81	−0·01	1·7970	·002	−0·002	43 51 5·1	−0·1	2·315	·26	−0·03	12	6·96	43. 896
2214	8·0	26 50·56	−0·04	1·8683	·002	−0·011	42 12 36·3	0·0	2·343	·27	0·00	5	6·69	42. 946
2215	9·1	26 55·82	...	1·6711	·001	..	46 33 8·0	...	2·350	·24	...	3	8·06	46. 864
2216	9·5	6 26 58·15	...	+1·6970	+0·001	...	−46 1 14·2	...	−2·354	−0·24	...	3	8·07	46. 865
2217	8·5	27 33·15	0·00	1·4956	·001	−0·001	49 55 6·5	0·0	2·404	·22	−0·01	3	9·02	49. 968
2218	9·3	27 33·45	...	1·8826	·002	...	41 52 58·5	...	2·405	·27	...	5	6·32	41.1011
2219	9·1	27 33·47	...	1·4418	·001	...	50 51 45·4	...	2·405	·21	...	3	9·08	50. 985
2220	9·8	27 46·79	...	1·5540	·001	...	48 51 11·4	...	2·424	·22	...	3	9·12	48. 867
2221	8·4	6 28 12·98	0·00	+1·6407	+0·001	−0·002	−47 11 9·3	0·0	−2·462	−0·24	+0·02	3	8·06	47. 846
2222	8·6	28 14·79	...	1·7104	·001	...	45 45 36·6	...	2·464	·25	...	3	8·07	45. 915
2223	8·9	28 29·52	+0·02	1·7552	·001	+0·009	44 48 23·2	−0·1	2·486	·25	−0·05	3	8·10	44. 937
2224	8·6	28 41·17	0·00	1·6805	·001	0·000	46 23 14·3	0·0	2·503	·24	−0·01	3	8·11	46. 883
2225	8·0	28 43·96	0·00	1·5173	·001	−0·004	49 32 39·7	0·0	2·507	·22	−0·01	3	9·03	49. 970
2226	6·0*	6 28 58·13	+0·01	+1·3903	+0·001	+0·008	−51 45 20·5	+0·1	−2·527	−0·20	+0·09	3	9·10	51. 929
2227	8·0	29 2·91	+0·01	1·6072	·001	+0·003	47 51 35·3	0·0	2·534	·23	+0·01	4	8·08	47. 852
2228	8·0*	29 14·88	−0·03	1·8582	·002	−0·008	42 29 6·3	−0·2	2·551	·27	−0·05	5	6·13	42. 957
2229	7·6	29 25·74	0·00	1·7360	·001	0·000	45 14 4·2	−0·1	2·567	·25	−0·04	3	8·06	45. 924
2230	8·5*	29 33·34	−0·01	1·9220	·002	−0·002	40 57 18·0	−0·1	2·578	·28	−0·03	5	6·14	40.1052
2231	9·3	6 29 38·01	0·00	+1·6562	+0·001	−0·002	−46 53 53·6	0·0	−2·585	−0·24	+0·01	3	8·10	46. 886
2232	8·9	29 48·19	0·00	1·9381	·002	−0·001	40 33 37·9	+0·1	2·600	·28	+0·05	5	7·06	40.1055
2233	8·1	29 54·40	−0·02	1·8149	·001	−0·007	43 30 2·1	0·0	2·609	·26	−0·01	5	6·90	43. 919
2234	9·0†	29 56·68	...	1·9511	·002	...	40 14 8·4	...	2·612	·28	..	5	7·09	40.1057
2235	8·5	29 56·88	0·00	1·7816	·001	0·000	44 14 51·8	0·0	2·612	·26	+0·02	3	8·11	44. 955
2236	9·0	6 30 1·30	...	+1·4306	+0·001	...	−51 5 42·6	...	−2·619	−0·21	...	3	9·06	51. 937
2237	8·8	30 4·34	−0·01	1·9183	·002	−0·002	41 3 15·8	0·0	2·623	·28	0·00	5	7·11	41.1028
2238	8·6†	30 12·03	...	1·8887	·002	...	41 46 40·2	...	2·634	·27	...	5	7·12	41.1030
2239	7·2	30 19·84	0·00	1·5768	·001	−0·001	48 27 50·8	−0·1	2·645	·23	−0·11	3	9·11	48. 876
2240	7·9	30 22·67	0·00	1·4712	·001	−0·004	50 23 48·8	0·0	2·649	·21	0·00	3	9·12	50. 994

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2241	9·0	6 30 34·91	...	+1·8279	+0·001	...	−43 12 52·8	...	−2·667	−0·26	...	4	7·09	43. 926
2242	8·0	30 45·55	0·00	1·8030	·001	−0.001	43 46 58·8	0·0	2·682	·26	0·00	5	7·07	43. 928
2243	8:3	30 49·63	0·00	1·6311	·001	−0·001	47 25 12·0	0·0	2·688	·23	−0·02	3	8·06	47. 864
2244	7·6	31 2·28	−0·01	1·8792	·001	−0·004	42 1 7·3	−0·2	2·707	·27	−0·06	21:20	6·70:6·68	42. 968
2245	8·5	31 40·35	−0·02	1·8672	·001	−0·008	42 18 50·9	−0·1	2·762	·27	−0·03	5	6·88	42. 971
2246	8·5	6 31 51·55	...	+1·6810	+0·001	...	−46 25 48·6	...	−2·778	−0·24	...	3	8·06	46. 906
2247	9·8	32 30·81	...	1·8818	·001	...	41 58 52·8	...	2·835	·27	...	5	6·52	41.1037
2248	8·8	32 32·96	−0·01	1·5349	·001	−0·006	49 17 8·1	+0·1	2·838	·22	+0·15	3	9·06	49. 981
2249	8·3	32 39·96	0·00	1·7499	·001	0·000	44 59 25·6	0·0	2·848	·25	+0·02	3	8·10	44. 980
2250	9·4	32 41·16	−0·03	1·8391	·001	−0·008	42 59 31·7	−0·1	2·849	·26	−0·03	5	6·71	42. 975
2251	8·8	6 32 49·03	0·00	+1·5830	+0·001	−0·003	−48 23 22·8	−0·2	−2·861	−0·23	−0·18	3	9·12	48. 887
2252	9·3	33 8·75	+0·02	1·9563	·002	+0·007	40 9 35·8	−0·1	2·889	·28	−0·02	5	6·72	40.1081
2253	8·4	33 9·01	0·00	1·6085	·001	−0·002	47 54 14·4	−0·1	2·890	·23	−0·03	3	8·07	47. 880
2254	8·5	33 16·17	0·00	1·8796	·001	−0·001	42 2 49·4	0·0	2·900	·27	−0·01	5	6·70	42. 983
2255	9·1	33 24·26	0·00	1·7169	·001	0·000	45 42 38·2	0·0	2·912	·25	+0·02	3	8·10	45. 955
2256	9·3	6 33 50·83	...	+1·4438	0·000	...	−50 55 58·6	...	−2·950	−0·21	...	3	9·06	50.1009
2257	7·5	33 51·01	−0 01	1·9166	+ ·001	−0·002	41 9 52·2	−0·1	2·950	·28	−c·04	5	6·86	41.1047
2258	7·4	33 58·79	0·00	1·4834	·001	0·000	50 14 29·3	+0·1	2·961	·21	+0·14	3	9·11	50.1010
2259	7·0	34 17·59	−0·02	1·8242	·001	−0·005	43 21 53·4	−0·1	2·988	·26	−0·02	5	6·14	43. 942
2260	8·3	34 18·71	0·00	1·4203	·000	−0·003	51 20 39·6	+0·1	2·990	·20	+0·07	3	9·13	51. 954
2261	8·0	6 34 29·41	−0·01	+1·7561	+0·001	−0·006	−44 53 21·1	0·0	−3·005	−0·25	+0·01	3	8·06	44.1000
2262	8·1	34 37·64	0·00	1·7276	·001	0·000	45 30 26·0	+0·1	3·017	·25	+0·07	3	8·09	45. 967
2263	9·0	34 43·73	−0·01	1·3856	·000	−0 006	51 55 47·8	0·0	3·026	·20	0·00	3	9·11	51. 955
2264	9·5	34 44·22	...	1·8928	·001	...	41 45 28·8	...	3·027	·27	...	5	6·34	41.1055
2265	8·5	34 44·55	−0·05	1·8506	·001	−0·015	42 45 36·3	−0·2	3·027	·27	−0·05	5 : 6	6·51:6·60	42. 996
2266	9·7	6 34 47·78	...	+1·6650	+0·001	...	−46 48 38·0	...	−3·032	−0·24	...	3	8·11	46. 928
2267	8·5	34 59·51	0·00	1·7880	·001	+0·002	44 11 42·0	−0·1	3·049	·26	−0·05	3	8·07	44.1010
2268	9·3	35 3·22	0·00	1·9267	·001	−0·001	40 56 5·0	0·0	3·054	·28	+0·01	5	6·34	40.1099
2269	7·1	35 5·71	−0·01	1·5291	·001	−0·010	49 26 25·3	0·0	3·058	·22	+0·02	3	9·06	49. 993
2270	9·1	35 36·52	−0·02	1·6302	·001	−0·008	47 31 28·2	−0·1	3·102	·23	−0·03	3	8·08	47. 899
2271	9·4	6 35 46·99	...	+1·9069	+0·001	...	−41 26 10·7	...	−3·117	−0·27	...	5	7·06	41.1061
2272	8·3	35 51·31	...	1·7012	·001	...	46 5 6·5	...	3·123	·24	...	3	8·06	46. 940
2273	8·0	36 6·32	0·00	1·5737	·001	−0·002	48 37 43·5	0·0	3·145	·23	−0·01	3	9·08	48. 909
2274	9·6	36 34·83	...	1·8517	·001	...	42 46 13·4	...	3·186	·27	...	5	6·72	42.1005
2275	9·3	36 35·25	...	1·8602	·001	...	42 34 10·8	...	3·187	·27	...	5	6·90	42.1006
2276	8·8	6 36 36·66	+0·01	+1·6136	+0·001	+0·007	−47 52 12·7	+0·2	−3·189	−0·23	+0·09	3	8·09	47. 906
2277	7·5*	36 44·04	−0·03	1·8286	·001	−0·009	43 18 38·4	+0·1	3·199	·26	+0·02	5	6·35	43. 962
2278	8·4	36 44·26	0·00	1·4420	·000	−0·004	51 1 8·0	0·0	3·200	·21	+0·01	5	9·11	50.1022
2279	9·4	36 53·04	0·00	1·6797	·001	−0·001	46 33 3·7	0·0	3·212	·24	0·00	3	8·08	46. 952
2280	8·8	36 54·69	...	1·4823	·000	...	50 19 5·2	...	3·215	·21	...	3	9·12	50.1025

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2281	8·5	6 37 12·79	−0·02	+1·8080	+0·001	−0·008	−43 47 33·9	0·0	− 3·241	−0·26	−0·01	5	7·10	43. 965
2282	9·0	37 40·54	−0·01	1·8893	·001	−0·005	41 54 0·8	+0·1	3·281	·27	+0·02	5	7·09	41.1070
2283	8·5	37 51·85	+0·03	1·7851	·001	+0·016	44 19 6·5	−0·2	3·297	·26	−0·10	3	8·05	44.1034
2284	9·4	38 1·96	...	1·7239	·001	...	45 39 6·5	...	3·312	·25	..	3	8·09	45. 991
2285	8·3	38 2·23	−0·01	1·9586	·001	−0·003	40 11 48·8	−0·1	3·312	·28	−0·04	14	6·90	40.1112
2286	7·3	6 38 4·24	−0·01	+1·6326	+0·001	−0·003	−47 31 35·6	0·0	− 3·315	−0·23	0·00	3	8·08	47. 914
2287	8·3	38 20·27	0·00	1·7538	·001	0·000	45 1 1·1	0·0	3·338	·25	−0·02	3	8·11	44.1037
2288	8·5	38 22·53	0·00	1·4116	·000	−0·001	51 34 10·9	−0·1	3·341	·20	−0·14	3	9·06	51. 969
2289	9·0	39 15·41	0·00	1·4517	·000	−0·002	50 54 13·3	+0·1	3·417	·21	+0·14	3	9·11	50.1038
2290	8·1	39 15·90	...	1·5419	·000	...	49 17 19·1	...	3·418	·22	...	3	9·09	49.1013
2291	9·1	6 39 19·42	0·00	+1·6907	+0·001	0·000	−46 22 30·8	+0·1	− 3·423	−0·24	+0·05	3	8·05	46. 971
2292*	8·0	39 20·89	−0·05	1·8668	·001	−0·015	42 28 25·5	+0·1	3·425	·27	+0·04	4	6·39	42.1029
2293	7·5	39 24·58	0·00	1·8985	·001	−0·001	41 42 56·8	−0·1	3·430	·27	−0·03	4	6·83	41.1081
2294	8·6†	39 35·84	...	1·8270	·001	...	43 24 32·4	...	3·446	·26	...	4	6·87	43. 984
2295	9·3	39 36·93	−0·02	1·7440	·001	−0·008	45 15 24·1	0·0	3·448	·25	+0·02	3	8·07	45.1003
2296	9·0	6 39 41·03	−0·01	+1·6639	+0·001	−0·004	−46 55 59·3	+0·1	− 3·454	−0·24	+0·07	3	8·10	46. 978
2297	9·3*	39 55·05	−0·02	1·8339	·001	−0·008	43 15 27·6	−0·2	3·474	·26	−0·07	4	6·88	43. 988
2298	9·5†	40 0·47	...	1·9489	·001	...	40 28 59·8	...	3·482	·28	...	4	7·14	40.1131
2299	9·3	40 1·08	...	1·9000	·001	...	41 41 24·0	...	3·483	·27	...	4	6·85	41.1086
2300	9·0	40 1·17	...	1·9639	·001	...	40 6 5·4	...	3·483	·28	...	4	7·11	40.1132
2301	8·0	6 40 7·63	−0·01	+1·9360	+0·001	−0·004	−40 48 29·5	−0·2	− 3·492	−0·28	−0·05	5	6·72	40.1133
2302	9·0	40 16·82	−0·01	1·9247	·001	−0·005	41 5 28·2	0·0	3·505	·27	0·00	4	7·09	41.1090
2303	9·3	40 29·70	...	1·5122	·000	...	49 51 31·7	...	3·524	·22	...	3	9·08	49.1016
2304	8·8	40 32·18	0·00	1·5714	·000	+0·002	48 45 51·1	0·0	3·527	·22	−0·01	3	9·12	48. 927
2305	8·0	40 33·57	0·00	1·6050	·001	−0·004	48 7 20·1	0·0	3·529	·23	+0·02	3	9·13	48. 928
2306	8·6	6 40 48·27	0·00	+1·3901	0·000	−0·004	−51 58 39·5	0·0	− 3·550	−0·20	+0·02	5	9·10	51. 979
2307	8·5*	40 55·91	−0·05	1·8621	+ ·001	−0·014	42 37 5·4	+0·4	3·561	·27	+0·12	5	6·35	42.1040
2308	8·4	41 34·78	−0·01	1·4820	·000	−0·012	50 25 22·8	0·0	3·617	·21	+0·03	3	9·08	50.1049
2309	8·5	41 38·74	−0·01	1·9272	·001	−0·003	41 3 35·1	−0·1	3·623	·27	−0·02	5	6·70	41.1096
2310	9·2	42 10·94	...	1·7016	·001	...	46 12 49·9	...	3·669	·24	...	3	8·05	46. 999
2311	8·5*	6 42 11·15	0·00	+1·8140	+0·001	−0 001	−43 45 55·5	0·0	− 3·669	−0·26	+0·01	5	6·70	43.1008
2312	9·5	42 13·21	−0·04	1·8948	·001	−0·012	41 52 6·8	0·0	3·672	·27	−0·01	5	6·71	41.1098
2313	9·5	42 15·76	...	1·8856	·001	...	42 5 22·8	...	3·676	·27	...	5	6·92	42.1048
2314	7·4	42 18·45	−0·01	1·6719	·001	−0·004	46 49 50·2	+0·1	3·680	·24	+0·04	3	8·07	46.1004
2315	7·5	42 24·78	−0·01	1·6579	·001	−0·003	47 7 1·6	0·0	3·689	·24	−0·02	3	8·10	47. 939
2316	9·2	6 42 52·59	−0·01	+1·8571	+0·001	−0·005	−42 46 57·9	0·0	− 3·729	−0·26	0·00	5	7·08	42.1055
2317	8·5	42 53·20	−0·01	1·4237	·000	−0·007	51 27 50·9	0·0	3·730	·20	+0·04	3	9·08	51. 985
2318	8·9	42 56·00	...	1·7179	·001	...	45 53 26·0	...	3·734	·24	...	3	8·09	45.1035
2319	9·3	43 5·58	..	1·4721	·000	...	50 38 2·7	...	3·747	·21	...	3	9·12	50.1056
2320	8·5	43 38·12	...	1·5150	·000	...	49 52 44·8	...	3·794	·21	...	3	9·12	49.1031

2292. $8^m·2$, $10^m·2$ 2″·6 181° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2321	8·0*	6 43 47·08	−0·02	+1·9459	+0·001	−0·005	−40 38 36·6	0·0	−3·807	−0·28	−0·01	6	6·17	40.1153
2322	8·2	43 49·97	+0·01	1·7664	·001	+0·004	44 51 53·1	0·0	3·811	·25	+0·01	3	8·05	44.1086
2323	7·5	44 1·61	0·00	1·6309	·000	0·000	47 41 43·3	0·0	3·827	·23	−0·01	3	8·08	47. 948
2324	9·5	44 21·81	−0·02	1·9230	·001	−0·006	41 13 50·9	+0·1	3·856	·27	+0·03	5	6·70	41.1109
2325	6·0*	44 28·55	0·00	1·4441	·000	−0·005	51 9 9·5	−0·1	3·866	·20	−0·08	3	9·08	51. 992
2326*	7·0	6 44 43·73	0·00	+1·5928	0·000	−0·005	−48 27 12·3	0·0	−3·888	−0·23	+0·04	3	9·12	48. 954
2327	8·5	44 45·37	−0·04	1·8698	+ ·001	−0·014	42 31 35·7	+0·3	3·890	·27	+0·10	5	6·88	42.1066
2328	7·8	44 45·68	−0·01	1·7791	·001	−0·005	44 36 28·6	−0·1	3·890	·25	−0·07	3	8·06	44.1092
2329	8·1	45 4·99	0·00	1·7976	·001	0·000	44 12 14·4	−0·1	3·918	·26	−0·06	3	8·06	44.1096
2330	8·5	45 15·53	−0·02	1·8526	·001	−0·006	42 56 35·3	0·0	3·933	·26	−0·01	5	6·32	42.1074
2331	7·5	6 45 16·32	−0·01	+1·8206	+0·001	−0·003	−43 41 20·6	+0·2	−3·934	−0·26	+0·05	5	6·14	43.1036
2332	9·0	45 21·39	−0·01	1·7496	·001	−0·003	45 16 15·2	0·0	3·942	·25	0·00	3	8·10	45.1052
2333	8·5	45 29·04	0·00	1·9717	·001	+0·001	40 1 58·6	−0·2	3·953	·28	−0·07	5	6·53	40.1162
2334	9·0	45 30·45	...	1·6878	·001	...	46 34 45·4	...	3·954	·24	...	3	8·11	46.1032
2335	8·5	45 38·90	+0·02	1·6423	·000	+0·008	47 30 24·9	+0·1	3·967	·23	+0·04	3	8·08	47. 967
2336	9·3	6 45 55·30	...	+1·5379	0·000	...	−49 31 0·5	...	−3·990	−0·22	...	3	9·10	49.1036
2337	9·3	46 9·28	−0·02	1·8466	+ ·001	−0·007	43 6 30·2	−0·1	4·010	·26	−0·05	5	7·14	43.1047
2338	9·7	46 19·46	...	1·8585	·001	...	42 50 0·0	...	4·025	·26	...	5	7·10	42.1082
2339	7·8	46 21·75	−0·02	1·9215	·001	−0·007	41 18 59·2	+0·3	4·028	·27	+0·10	5	6·71	41.1117
2340	8·2	46 29·28	0·00	1·5625	·000	+0·003	49 4 25·7	0·0	4·039	·22	+0·02	3	9·08	49.1040
2341	9·0	6 46 32·69	...	+1·9048	+0·001	...	−41 43 48·5	...	−4·043	−0·27	...	4	7·09	41.1120
2342	9·0	46 33·91	−0·01	1·9269	·001	−0·004	41 11 11·6	0·0	4·045	·27	+0·01	5	6·72	41.1121
2343*	8·5	46 55·09	0·00	1·7667	·001	+0·002	44 56 5·2	+0·3	4·075	·25	+0·14	5	8·08	44.1113
2344	9·3†	46 57·09	...	1·8127	·001	...	43 54 39·1	...	4·078	·26	...	5	6·73	43.1051
2345	8·0	46 57·65	0·00	1·4187	− ·001	−0·004	51 38 48·7	+0·1	4·079	·20	+0·10	3	9·11	51. 999
2346	8·8*	6 47 6·78	0·00	+1·7152	+0·001	+0·002	−46 2 53·1	+0·1	−4·092	−0·24	+0·04	3	8·07	46.1047
2347	8·6	47 22·37	0·00	1·5119	·000	−0·005	50 1 43·7	−0·1	4·114	·21	−0·08	5	9·12	50.1069
2348	3·0*	47 27·29	0·00	1·4859	·000	+0·001	50 29 43·0	−0·1	4·121	·21	−0·08	3	9·08	50.1070
2349	9·3	47 30·11	...	1·4671	·000	...	50 49 47·4	...	4·125	·21	...	3	9·13	50.1071
2350	9·3	47 50·14	...	1·6776	·000	...	46 50 57·6	...	4·154	·24	...	3	8·08	46.1057
2351	7·5	6 47 56·82	−0·02	+1·8916	+0·001	−0·005	−42 5 5·7	0·0	−4·163	−0·27	+0·01	5	6·52	42.1092
2352	8·3	48 26·48	0·00	1·7956	·001	−0·002	44 20 13·3	−0·1	4·206	·25	−0·04	3	8·06	44.1131
2353	9·3	48 37·50	...	1·9026	·001	...	41 50 22·2	...	4·222	·27	...	5	6·52	41.1132
2354	8·5*	48 43·54	0·00	1·8549	·001	+0·001	42 58 49·2	−0·5	4·230	·26	−0·14	5	6·12	42.1095
2355*	8·5	48 49·53	−0·01	1·6403	·000	−0·005	47 37 46·2	+0·1	4·239	·23	+0·04	3	8·09	47. 999
2356	7·5	6 48 51·19	0·00	+1·6128	0·000	+0·004	−48 10 16·7	0·0	−4·241	−0·23	0·00	3	9·07	48. 977
2357	7·8	48 51·69	0·00	1·5605	·000	+0·002	49 10 21·2	0·0	4·242	·22	+0·02	3	9·11	49.1049
2358	8·5	49 31·10	−0·01	1·7241	+ ·001	−0·005	45 55 32·9	+0·1	4·298	·24	+0·04	3	8·06	45.1084
2359	7·7	49 31·63	−0·01	1·8811	·001	−0·003	42 22 52·1	−0·1	4·299	·27	−0·02	5	6·53	42.1102
2360	8·5	49 43·94	+0·01	1·6579	·000	+0·004	47 18 13·9	−0·2	4·316	·23	−0·08	3	8·11	47.1003

2326. $7^m·1$, $10^m·3$ 2″·1 186° Mass observed.
2343. $9^m·0$, $9^m·5$ 0″·8 254° Mass observed.
2355. $9^m·2$, $9^m·3$ 2″·5 121° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2361	7·0	6 49 45·27	−0·02	+1·8186	+0·001	−0·006	−43 51 8·5	−0·1	−4·318	−0·26	−0·03	4	7·08	43.1073
2362	9·0	49 48·04	0·00	1·9619	·001	+0·001	40 23 38·7	0·0	4·322	·28	+0·01	4	7·11	40.1207
2363	7·8	49 51·41	0·00	1·6883	·000	−0·001	46 41 9·8	−0·1	4·327	·24	−0·05	3	8·10	46.1073
2364	7·5	49 52·17	−0·02	1·8764	·001	−0·005	42 30 13·4	0·0	4·328	·26	0·00	4	6·88	42.1108
2365	8·5	50 11·53	+0·01	1·7536	·001	+0·006	45 18 38·8	0·0	4·355	·25	−0·02	3	8·11	45.1086
2366	8·8*	6 50 41·61	0·00	+1·8569	+0·001	0·000	−42 59 19·6	−0·1	−4·398	−0·26	−0·03	6	6·12	42.1117
2367	8·5	50 51·81	−0·01	1·4182	− ·001	−0·006	51 45 31·5	0·0	4·413	·20	+0·04	3	9·07	51.1013
2368	8·6†	50 54·06	...	1·9065	+ ·001	...	41 48 16·5	...	4·416	·27	...	4	6·87	41.1153
2369	8·3	50 58·30	0·00	1·7083	·000	−0·002	46 18 1·9	−0·1	4·422	·24	−0·05	3	8·06	46.1083
2370	9·3	51 7·08	−0·01	1·9761	·001	−0·002	40 4 3·7	+0·1	4·434	·28	+0·04	4	7·10	40.1216
2371	6·5*	6 51 17·79	0·00	+1·8891	+0·001	+0·001	−42 14 19·5	0·0	−4·450	−0·27	+0·01	4	6·17	42.1122
2372	8·9	51 26·09	0·00	1·4457	− ·001	−0·004	51 18 21·2	0·0	4·461	·20	−0·01	3	9·12	51.1016
2373	9·1	51 29·19	...	1·5130	·000	...	50 7 8·9	...	4·466	·21	...	3	9·13	50.1088
2374	9·1	51 31·79	+0·02	1·6321	·000	+0·008	47 52 9·2	+0·1	4·469	·23	+0·06	3	8·09	47.1011
2375	7·3	51 33·69	−0·01	1·4925	·000	−0·007	50 29 26·0	+0·2	4·472	·21	+0·21	3	9·13	50.1089
2376	7·5	6 51 39·05	−0·02	+1·8203	+0·001	−0·008	−43 52 2·4	−0·1	−4·480	−0·26	−0·02	4	7·09	43.1092
2377	9·3	51 59·42	...	1·5611	·000	...	49 14 48·8	...	4·509	·22	...	3	9·10	49.1065
2378	9·0	52 16·79	0·00	1·9783	·001	−0·001	40 2 35·1	−0·1	4·533	·28	−0·02	5	6·70	40.1234
2379	8·8	52 17·58	−0·01	1·7484	·001	−0·003	45 28 59·7	−0·1	4·535	·25	−0·05	3	8·08	45.1106
2380	9·1	52 20·51	−0·02	1·8057	·001	−0·012	44 12 59·4	−0·1	4·539	·25	−0·04	3	8·11	44.1163
2381	8·6	6 52 29·06	...	+1·7800	+0·001	...	−44 47 47·2	...	−4·551	−0·25	...	3	8·09	44.1164
2382	8·7*	52 37·53	−0·02	1·9335	·001	−0·005	41 11 23·0	0·0	4·563	·27	−0·01	5	6·15	41.1169
2383	8·7	53 14·80	...	1·6597	·000	...	47 21 52·4	...	4·616	·23	...	3	8·07	47.1028
2384	8·5	53 21·33	...	1·5249	·000	...	49 57 17·7	...	4·625	·21	...	3	9·07	49.1070
2385	5·5*	53 36·22	0·00	1·5983	·000	−0·002	48 35 20·5	0·0	4·646	·22	+0·01	3	9·12	48. 999
2386	9·1	6 53 57·40	...	+1·4387	−0·001	...	−51 29 47·4	...	−4·676	−0·20	...	3	9·13	51.1027
2387	8·0	54 19·08	0·00	1·4749	·001	−0·003	50 52 55·4	0·0	4·707	·21	−0·01	3	9·07	50.1097
2388	8·4	54 19·90	−0·01	1·4895	·001	−0·008	50 37 20·9	0·0	4·708	·21	+0·03	3	9·13	50.1098
2389	9·1†	54 22·02	...	1·8572	+ ·001	...	43 5 19·9	...	4·711	·26	...	5	6·14	43.1120
2390	8·8*	54 24·98	−0·02	1·9368	·001	−0·006	41 9 29·3	−0·2	4·715	·27	−0·06	5	6·14	41.1185
2391	8·6	6 54 31·52	−0·01	+1·6971	0·000	−0·007	−46 38 13·9	0·0	−4·724	−0·24	0·00	3	8·08	46.1121
2392	9·8	54 47·75	...	1·8733	+ ·001	...	42 43 14·1	...	4·748	·26	...	4	7·06	42.1149
2393	8·8	54 59·20	0·00	1·7984	·001	+0·002	44 27 41·5	−0·1	4·764	·25	−0·04	3	8·11	44.1191
2394	7·2	55 7·72	−0·01	1·7302	·000	−0·005	45 57 37·0	0·0	4·776	·24	+0·01	5	8·11	45.1128
2395	8·3	55 13·58	...	1·6316	·000	...	47 59 10·4	...	4·784	·23	...	3	8·12	47.1039
2396	8·8	6 55 18·43	−0·02	+1·9111	+0·001	−0·007	−41 49 24·9	−0·2	−4·791	−0·27	−0·07	4	7·10	41.1199
2397	7·8	55 19·26	0·00	1·5788	·000	−0·005	49 0 39·7	0·0	4·792	·22	+0·03	3	9·07	48.1005
2398	9·3	55 46·57	+0·02	1·8221	·001	+0·005	43 56 48·9	−0·1	4·831	·26	−0·03	4	6·61	43.1139
2399	8·3	55 47·43	0·00	1·5241	− ·001	−0·004	50 2 38·0	0·0	4·832	·21	+0·04	3	9·11	50.1103
2400	9·0	56 0·87	...	1·9254	+ ·001	...	41 29 26·8	...	4·851	·27	...	4	6·86	41.1203

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2401	8·5	6 56 9·67	−0·01	+1·9009	+0·001	−0·004	−42 5 56·3	+0·2	− 4·863	−0·27	+0·06	5	6·33	42.1161
2402	7·3	56 11·31	−0·01	1·6876	·000	−0·006	46 53 5·1	0·0	4·866	·24	−0·02	4	8·08	46.1143
2403	8·4	56 12·74	−0·02	1·7273	·000	−0·008	46 3 17·0	0·0	4·868	·24	−0·01	3	8·11	46.1144
2404	8·0	56 17·57	0·00	1·7720	·000	−0·001	45 5 21·2	0·0	4·875	·25	−0·01	3	8·12	45.1138
2405	9·1	56 22·56	...	1·6671	·000	...	47 18 44·4	...	4·882	·23	...	3	8·15	47.1052
2406	9·0	6 56 31·63	0·00	+1·8148	+0·001	+0·002	−44 8 20·6	−0·3	−4·895	−0·25	−0·17	3	8·14	44.1205
2407	7·0	56 35·48	+0·01	1·9512	·001	+0·002	40 51 47·6	+0·3	4·900	·27	+0·07	5	6·33	40.1264
2408	9·0	56 38·33	...	1·4402	− ·001	...	51 33 8·8	...	4·904	·20	...	3	9·07	51.1035
2409	8·5	56 57·63	−0·01	1·8752	+ ·001	−0·002	42 44 33·6	0·0	4·931	·26	0·00	5	6·87	42.1168
2410	9·2	57 12·80	0·00	1·5633	·000	+0·005	49 21 51·8	0·0	4·953	·22	−0·02	3	9·12	49.1093
2411	8·8	6 57 15·50	+0·01	+1·9369	+0·001	+0·002	−41 14 39·9	−0·4	−4·957	−0·27	−0·13	4	6·85	41.1209
2412	7·3	57 45·30	0·00	1·5839	·000	−0·002	48 59 32·3	0·0	4·999	·22	−0·03	5	9·12	48.1019
2413	8·4	58 21·06	−0·01	1·7897	·001	−0·004	44 45 39·4	0·0	5·049	·25	−0·02	3	8·08	44.1226
2414	8·5	58 28·88	...	1·4769	− ·001	...	50 58 22·5	...	5·060	·21	...	3	9·07	50.1122
2415	9·0	58 38·05	−0·01	1·4237	·001	−0·012	51 53 40·3	0·0	5·073	·20	+0·01	3	9·12	51.1046
2416	9·0†	6 58 39·33	...	+1·9777	+0·001	...	−40 15 11·5	...	−5·075	−0·28	...	5	6·12	40.1287
2417	7·1	58 47·00	0·00	1·5139	− ·001	−0·003	50 19 21·2	0·0	5·086	·21	+0·01	3	9·13	50.1125
2418	9·0	59 3·91	...	1·9303	+ ·001	...	41 27 53·9	...	5·110	·27	..	5	6·36	41.1219
2419	9·5	59 8·30	...	1·6027	·000	...	48 40 30·8	...	5·116	·22	...	3	9·12	48.1030
2420	9·1	59 8·67	0·00	1·6972	·000	−0·002	46 46 53·1	−0·1	5·116	·24	−0·05	3	8·11	46.1175
2421	7·0	6 59 9·83	−0·01	+1·8564	+0·001	−0·002	−43 15 29·7	−0·1	−5·118	−0·26	−0·04	4	6·83	43.1169
2422	7·5*	59 11·83	−0·01	1·8888	·001	−0·002	42 29 13·1	−0·1	5·121	·26	−0·03	4	7·09	42.1183
2423	9·3	59 16·34	−0·01	1·7210	·000	−0·003	46 17 13·9	−0·1	5·127	·24	−0·04	3	8·10	46.1177
2424	8·6	59 25·90	0·00	1·6403	·000	+0·002	47 56 45·5	0·0	5·140	·23	+0·01	5	8·11	47.1070
2425	9·2	59 42·49	−0·04	1·9458	·001	−0·014	41 5 53·8	+0·1	5·164	·27	+0·04	4	7·12	41.1224
2426	7·5*	6 59 47·13	−0·03	+1·9807	+0·001	−0·007	−40 12 41·4	−0·2	−5·170	−0·28	−0·05	4	6·36	40.1295
2427	9·5	59 53·46	...	1·6786	·000	...	47 11 16·0	...	5·179	·23	...	2:3	8·09	47.1073
2428	7·9	59 57·48	−0·02	1·7539	·000	−0·009	45 36 15·1	−0·1	5·185	·24	−0·03	3	8·12	45.1175
2429	7·0	7 0 11·24	0·00	1·5461	− ·001	−0·002	49 46 49·7	0·0	5·204	·22	+0·05	3	9·07	49.1107
2430	9·4	0 20·79	−0·03	1·9371	+ ·001	−0·009	41 20 19·0	−0·1	5·218	·27	−0·04	4	6·62	41.1234
2431	9·5	7 0 25·29	0·00	+1·8500	+0·001	−0·001	−43 27 3·8	−0·2	−5·224	−0·26	−0·06	4	6·84	43.1180
2432	9·5	0 45·18	0·00	1·8947	·001	0·000	42 23 49·4	+0·2	5·252	·26	+0·05	4	6·87	42.1188
2433	8·5	0 53·89	...	1·9205	·001	...	41 46 19·8	...	5·264	·27	...	4	6·84	41.1240
2434	8·8	0 57·52	−0·02	1·8048	·000	−0·009	44 30 38·8	+0·1	5·270	·25	+0·05	3	8·07	44.1254
2435	7·0*	1 23·55	−0·01	1·9781	·001	−0·002	40 19 59·4	−0·1	5·306	·28	−0·02	5	6·34	40.1312
2436	9·5	7 1 25·69	...	+1·4393	−0·001	...	−51 43 19·0	...	−5·309	−0·20	...	3	9·10	51.1063
2437	8·4	1 34·37	0·00	1·8525	+ ·001	−0·001	43 25 49·5	−0·1	5·321	·26	−0·03	5	6·52	43.1191
2438	8·5	2 18·97	−0·02	1·9505	·001	−0·007	41 4 15·9	0·0	5·384	·27	0·00	5	6·91	41.1247
2439	8·8	2 28·51	...	1·6660	·000	...	47 32 1·1	...	5·397	·23	...	3	8·06	47.1091
2440	8·5	2 29·28	−0·03	1·8789	·001	−0·008	42 50 14·6	+0·1	5·398	·26	+0·03	5	6·71	42.1213

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2441	7·0	7 2 43·95	0·00	+1·5276	−0·001	−0·004	−50 12 27·1	+0·1	− 5·419	−0·21	+0·07	3	9·07	50.1147
2442	7·0*	2 47·19	−0·02	1·9067	+ ·001	−0·005	42 10 26·2	0·0	5·424	·27	+0·01	5	6·14	42.1216
2443	9·0	2 54·34	...	1·6088	·000	..	48 41 7·7	...	5·434	·22	...	3	9·11	48.1043
2444	8·8	3 8·13	−0·01	1·4711	− ·001	−0·007	51 13 47·6	0·0	5·453	·20	0·00	3	9·13	51.1069
2445	7·7	3 10·62	0·00	1·7493	·000	−0·001	45 48 48·5	−0·2	5·456	·24	−0·09	3	8·10	45.1203
2446	9·0	7 3 36·12	...	+1·6254	0·000	...	−48 23 3·8	...	− 5·492	−0·22	...	3	9·14	48.1048
2447	8·7	3 44·88	0·00	1·8032	·000	0·000	44 38 33·4	−0·1	5·504	·25	−0·04	3	8·06	44.1273
2448	8·9	3 45·83	0·00	1·5602	− ·001	−0·002	49 38 24·8	−0·1	5·506	·22	−0·06	3	9·09	49.1130
2449	9·0	3 49 86	0·00	1·6405	·000	−0·005	48 5 33·5	0·0	5·511	·23	−0·03	3	9·11	48.1051
2450	8·1	3 56·20	−0·01	1·7923	·000	−0·005	44 53 40·8	0·0	5·520	·25	+0·01	3	8·12	44.1274
2451	9·6	7 4 1·38	...	+1·5906	−0·001	...	−49 4 31·0	...	− 5·528	−0·22	...	3	9·13	49.1131
2452	8·9	4 1·67	−0·01	1·7738	·000	−0·005	45 18 30·8	−0·2	5·528	·25	−0·09	3	8·15	45.1213
2453	9·0	4 1·80	...	1·7412	·000	...	46 1 8·3	...	5·528	·24	...	3	8·13	45.1214
2454	9·3*	4 8·86	−0·02	1·8803	+ ·001	−0·004	42 51 44·6	−0·1	5·538	·26	−0·02	5	6·12	42.1226
2455	8·9	4 23·77	0·00	1·7212	·000	−0·001	46 27 32·0	−0·1	5·559	·24	−0·05	3	8·10	46.1230
2456	8·3	7 4 25·25	0·00	+1·5162	−0·001	−0·002	−50 28 20·2	0·0	− 5·561	−0·21	+0·05	3	9·14	50.1154
2457	9·0	4 34·11	0·00	1·8630	+ ·001	0·000	43 16 9·2	−0·1	5·574	·26	−0·03	5	7·14	43.1217
2458	6·5*	4 49·47	0·00	1·4408	− ·002	−0·005	51 48 39·9	0·0	5·595	·20	+0·05	3	9·07	51.1079
2459	9·5*	5 8·20	−0·04	1·9273	+ ·001	−0·010	41 45 0·4	0·0	5·621	·27	0·00	5	6·33	41.1272
2460	8·8	5 14·87	0·00	1·6093	·000	−0·003	48 45 27·6	0·0	5·631	·22	−0·03	3	9·11	48.1056
2461	8·3	7 5 33·00	0·00	+1·6643	0·000	−0·002	−47 40 49·7	+0·1	− 5·656	−0·23	+0·04	3	8·06	47.1123
2462	8·0	5 47·78	−0·01	1·5481	− ·001	−0·006	49 56 18·9	0·0	5·677	·21	−0·04	3	9·10	49.1139
2463	9·8	5 49·19	...	1·8144	·000	...	44 27 51·0	...	5·679	·25	...	3	8·10	44.1294
2464	7·8	5 59·91	−0·01	1·7833	·000	−0·003	45 10 11·8	0·0	5·693	·25	+0·01	3	8·12	45.1235
2465	9·0*	6 27·31	−0·03	1·9123	+ ·001	−0·010	42 10 4·0	−0·1	5·732	·27	−0·02	5	6·90	42.1242
2466	9·5†	7 6 34·34	...	+1·8385	+0·001	...	−43 56 20·3	...	− 5·742	−0·25	...	5	6·71	43.1245
2467	9·8	6 37·51	...	1·7132	·000	...	46 42 28·1	...	5·746	·24	...	3	8·07	46.1252
2468	9·5	6 38·63	...	1·8804	·001	...	42 56 59·6	...	5·747	·26	...	5	6·92	42.1245
2469	8·2	6 50·88	−0·02	1·7376	·000	−0·008	46 11 58·6	0·0	5·765	·24	−0·02	3	8·10	46.1253
2470	8·5	6 54·11	−0·01	1·4540	− ·002	−0·008	51 39 36·1	0·0	5·769	·20	0·00	3	9·07	51.1095
2471	8·5	7 6 59·26	−0·02	+1·9907	+0·001	−0·007	−40 12 13·8	−0·1	− 5·776	−0·28	−0·02	9	6·50	40.1360
2472	8·5	7 4·75	0·00	1·5379	− ·001	0·000	50 10 22·5	0·0	5·784	·21	0·00	3	9·11	50.1173
2473	9·5	7 18·92	−0·03	1·8952	+ ·001	−0·010	42 37 6·4	0·0	5·804	·26	−0·01	5	7·11	42.1250
2474	7·5	7 23·97	−0·01	1·9565	·001	−0·004	41 5 59·0	−0·1	5·811	·27	−0·04	5	6·90	41.1289
2475	8·5	7 25·16	−0·02	1·6895	·000	−0·008	47 13 52·3	−0·1	5·812	·23	−0·05	3	8·11	47.1135
2476	9·2	7 7 40·44	...	+1·5038	−0·001	...	−50 48 47·7	...	− 5·834	−0·21	...	3	9·13	50.1177
2477	8·8	7 46·48	0·00	1·6369	·000	−0·003	48 18 36·6	+0·1	5·842	·23	+0·08	3	9·10	48.1068
2478	9·0	7 53·51	−0·03	1·8671	+ ·001	−0·011	43 18 53·7	0·0	5·852	·26	+0·01	5	6·92	43.1258
2479	5·5*	8 6·35	0·00	1·6140	− ·001	−0·004	48 46 17·0	+0·2	5·870	·22	+0·20	3	9·08	48.1070
2480	9·0	8 13·60	0·00	1·7625	·000	−0·002	45 42 42·3	0·0	5·880	·24	0·00	3	8·08	45.1264

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2481	8·6	7 8 20·50	−0·01	+1·8301	0·000	−0·006	−44 12 2·2	−0·1	−5·890	−0 25	−0·04	3	8·11	44.1328
2482	9·6†	8 52·11	...	1·9362	+ ·001	...	41 39 46·0	...	5·934	·27	...	5	6·52	41.1298
2483	8·0	8 52·89	0·00	1·5892	− ·001	−0·001	49 16 44·9	+0·7	5·935	·22	+0·77	3	9·10	49.1163
2484	8·3	9 5·82	0·00	1·8111	·000	−0·002	44 39 53·0	−0·1	5·953	·25	−0·05	3	8·11	44.1331
2485	9·0	9 14·69	−0·03	1·9255	+ ·001	−0·008	41 57 4·0	0·0	5·965	·27	+0·01	5	6·72	41.1301
2486	9·0	7 9 20·50	...	+1·6762	0·000	...	−47 34 47·8	...	−5·973	−0·23	...	3	8·06	47·1160
2487	9·5	9 24·02	−0·02	1·8952	+ ·001	−0·006	42 41 55·7	−0·1	5·978	·26	−0·02	5	7·12	42.1259
2488	8·5	9 27·32	0·00	1·4484	− ·002	0·000	51 51 5·1	0·0	5·983	·20	+0·02	3	9·08	51.1106
2489	8·0	9 37·57	−0·01	1·9938	+ ·001	−0·004	40 13 17·6	−0·2	5·997	·27	−0·05	5	6·53	40.1377
2490	5·0*	9 42·55	−0·03	1·7243	·000	−0·017	46 35 32·0	+0·2	6·004	·24	+0·09	3	8·09	46·1284
2491	7·5*	7 9 47·69	−0·02	+1·8533	+0·001	−0·008	−43 42 53·0	−0·1	−6·011	−0·26	−0·03	4	7·09	43.1278
2492	8·0	9 49·06	0·00	1·5714	− ·001	0·000	49 39 18·6	0·0	6·013	·22	0·00	3	9·12	49.1169
2493	8·5	9 50·80	...	1·8629	+ ·001	...	43 29 17·1	...	6·015	·26	...	4	7·17	43.1279
2494	9·3	9 53·78	...	1·8902	·001	...	42 50 23·1	...	6·020	·26	...	4	7·13	42.1262
2495	9·3	10 11·15	−0·04	1·9291	·001	−0·013	41 53 42·5	+0·1	6·044	·27	+0·05	4	7·09	41.1304
2496	9·3	7 10 11·32	...	+1·9915	+0·001	...	−40 18 11·4	...	−6·044	−0·27	...	4	7·14	40.1381
2497	5·5*	10 13·89	−0·01	1·7978	·000	−0·003	45 0 31·9	−0·2	6·047	·25	−0·12	3	8·11	44.1347
2498	8·0	10 15·91	0·00	1·4965	− ·001	−0·003	51 2 27·3	0·0	6·050	·21	+0·01	3	9·11	51.1108
2499	8·1	10 21·26	0·00	1·6265	·001	+0·001	48 36 54·1	0·0	6·058	·22	+0 01	3	9·11	48.1086
2500*	5·7	10 29·14	+0·02	1·8217	·000	+0·008	44 28 37·0	+0·6	6·069	·25	+0·32	3	8·10	44.1352
2501	9·6	7 10 37·06	...	+1·9452	+0·001	...	−41 30 38·5	...	−6·080	−0·27	...	5	6·71	41.1311
2502	9·5	10 43·45	...	1·7045	·000	...	47 3 2·8	..	6·089	·23	...	3	8·10	47.1181
2503	7·9	11 15·71	−0·01	1·7477	·000	−0·005	46 9 9·4	0·0	6·133	·24	0·00	3	8·09	46.1303
2504	9·0	11 17·56	...	1·6625	·000	...	47 56 3·5	...	6·136	·23	...	3	8·12	47.1193
2505	8·0	11 21·89	−0·01	1·9252	·001	−0·004	42 2 23·3	0·0	6·142	·26	0·00	5	6·35	41.1315
2506	7·0	7 11 24·30	0·00	+1·5401	−0·001	−0·001	−50 17 54·1	0·0	−6·145	−0·21	+0·03	3	9·12	50.1192
2507	8·0*	11 34·08	−0·02	1·9670	+ ·001	−0·006	40 59 39·0	−0·1	6·159	·27	−0·03	12	6·90	40.1396
2508	5·0*	11 52·72	0·00	1·6556	·000	−0·002	48 5 48·3	0·0	6·185	·23	+0·03	5	9·11	48.1096
2509	6·5	11 53·69	−0·01	1·7245	·000	−0·004	46 40 28·2	−0·1	6·186	·24	−0·03	3	8·07	46.1311
2510	9·0	12 32·06	...	1·5840	− ·001	...	49 31 19·5	...	6·239	·22	...	3	9·12	49.1180
2511	9·3	7 12 39·77	−0·03	+1·8885	+0·001	−0·009	−42 59 31·3	+0·4	−6·250	−0·26	+0·11	5	6·52	42.1293
2512	8·8*	12 58·11	−0·02	1·9226	·001	−0·006	42 10 11·5	+0·1	6·275	·26	+0·03	5	6·54	42.1296
2513	8·0	13 3·63	0·00	1·7710	·000	−0·002	45 43 5·4	0·0	6·283	·24	+0·01	3	8·06	45.1323
2514	9·6	13 34·44	0·00	1·8076	·000	0·000	44 55 17·7	+0·2	6·326	·25	+0·08	3	8·11	44.1395
2515	9·4	13 36·19	..	1·4591	− ·002	...	51 49 48·7	...	6·328	·20	...	3	9·11	51.1130
2516	7·5	7 13 43·05	0·00	+1·5682	−0·001	−0·004	−49 52 10·2	0·0	−6·338	−0·21	+0·04	3	9·10	49.1185
2517	9·1†	13 46·14	...	1·7514	·000	...	46 10 32·6	...	6·342	·24	...	3	8·13	46.1346
2518	8·6	13 55·29	−0·01	1·9622	+ ·001	−0·002	41 12 41·8	0·0	6·354	·27	+0·01	5	6·73	41.1344
2519	9·0*	13 57·82	−0·02	1·8780	·000	−0·007	43 18 7·9	+0·2	6·358	·26	+0·08	5	6·93	43.1327
2520	9·4	14 0·07	+0·01	1·8464	·000	+0·003	44 2 56·7	−0·1	6·361	·25	−0·06	3	8·13	44.1398

2500. L = $3^m·4$—$4^m·6$ and $5^m·8$—$6^m·2$: P = $140^d·15$. L and P vary.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Procession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2521	9·5	7 14 19·39	...	+1·6300	−0·001	...	−48 42 24·8	...	−6·388	−0·22	...	3	9·13	48.1108
2522	9·0*	14 22·41	0·00	2·0067	+ ·001	0·000	40 4 20·5	−0·1	6·392	·27	−0·02	5	6·34	40.1412
2523	9·0	14 23·18	...	1·4845	− ·002	...	51 25 5·8	...	6·393	·20	...	3	9·12	51.1136
2524*	7·5	14 37·40	−0·01	1·7232	·000	−0·006	46 48 52·0	+1·1	6·413	·24	+0·56	3	8·06	46.1360
2525	9·3	14 54·55	...	1·7860	·000	...	45 27 55·9	...	6·436	·24	...	3	8·10	45.1345
2526	9·3	7 14 55·31	0·00	+1·6964	0·000	−0·001	−47 23 26·0	−0·1	−6·437	−0·23	−0·06	3	8·11	47.1241
2527	8·0*	15 14·33	−0·02	1·9422	+ ·001	−0·006	41 46 30·5	0·0	6·464	·27	−0·01	4	6·39	41.1351
2528	8·8	15 22·56	−0·02	1·9222	·001	−0·005	42 16 51·6	0·0	6·475	·26	0·00	5	6·90	42.1319
2529	9·5*	15 33·83	−0·07	1·9616	·001	−0·018	41 17 52·3	0·0	6·491	·27	+0·01	5	6·35	41.1355
2530	7·8	15 40·34	0·00	1·5187	− ·002	−0·002	50 51 45·3	−0·2	6·500	·21	−0·17	3	9·09	50.1213
2531	8·8	7 15 59·20	−0·01	+1·7696	0·000	−0·004	−45 52 16·4	0·0	−6·525	−0·24	+0·02	3	8·07	45.1366
2532	8·8*	16 20·79	−0·01	1·9003	+ ·001	−0·003	42 51 37·8	+0·1	6·555	·26	+0·03	5	6·33	42.1328
2533	9·0	16 35·00	0·00	1·5484	− ·001	0·000	50 21 30·3	0·0	6·575	·21	−0·01	3	9·12	50.1215
2534	7·8	16 35·14	−0·01	1·7168	·000	−0·007	47 2 7·9	0·0	6·575	·23	−0·01	5	8·09	46.1386
2535	7·0	16 38·99	−0·01	1·5787	·001	−0·009	49 47 43·9	+0·1	6·580	·21	+0·12	3	9·09	49.1198
2536	9·0*	7 17 13·30	+0·02	+1·8587	0·000	+0·006	−43 53 45·8	+0·1	−6·628	−0·25	+0 04	5	6·36	43.1368
2537	8·8	17 23·72	...	1·8372	·000	...	44 24 32·4	...	6·642	·25	...	3	8·06	44.1460
2538	8·3	17 42·30	0·00	1·6114	− ·001	+0·001	49 12 50·5	0·0	6·667	·22	−0·02	3	9·09	49.1200
2539	9·4	17 44·54	0·00	1·6343	·001	−0·005	48 46 5·8	0·0	6·671	·22	+0·02	3	9·12	48.1134
2540	9·0	17 45·70	0·00	1·9125	+ ·001	−0·001	42 37 17·7	−0·1	6·672	·26	−0·05	5	7·11	42.1336
2541	8·3*	7 17 47 57	−0·01	+1·9765	+0·001	−0·003	−41 0 31·0	+0·1	−6·675	−0·27	+0·03	5	6·95	40.1434
2542	8·5*	18 6·12	−0·03	1·9461	·001	−0·007	41 48 3·6	−0·1	6·700	·26	−0·03	5	6·32	41.1375
2543	6·0*	18 12·47	0·00	1·4664	− ·002	−0·004	51 53 47·9	0·0	6·709	·20	+0·01	3	9·14	51.1157
2544	7·0	18 19·82	−0·01	1·5053	·002	−0·009	51 12 57·2	+0·1	6·719	·20	+0·09	3	9·12	51.1159
2545	8·4	18 23·22	0·00	1·7995	·000	0·000	45 18 48·1	−0·2	6·724	·24	−0·08	3	8·07	45.1396
2546	7·4	7 18 28·28	0·00	+1·5362	−0·002	−0·005	−50 39 52·5	0·0	−6·731	−0·21	−0·01	3	9·10	50.1224
2547	9·5*	18 37·04	0·00	1·9137	+ ·001	−0·001	42 37 51·1	+0·4	6·743	·26	+0·10	5	6·33	42.1344
2548	9·2	18 40·17	−0·01	1·7603	·000	−0·005	46 11 34·2	−0·1	6·747	·24	−0·04	3	8·11	46.1408
2549	8·3	19 0·70	0·00	1·6686	− ·001	−0·005	48 8 15·7	+0·1	6·775	·23	+0·08	3	9·14	48.1146
2550	9·0	19 3·83	−0·04	1·8772	·000	−0·011	43 32 15·6	−0·1	6·779	·26	−0·03	5	6·54	43.1397
2551	8·5	7 19 6·44	−0·01	+1·7835	0 000	−0·006	−45 42 4·3	−0·2	−6·783	−0·24	−0·10	3	8·10	45.1414
2552	8·6	19 9·69	+0·01	1·7314	·000	+0·003	46 50 17·7	−0·1	6·787	·24	−0·06	3	8·13	46.1416
2553	8·6	19 33·59	−0·02	1·8275	·000	−0·010	44 43 46·4	−0·2	6·820	·25	−0·08	3	8·09	44.1493
2554	9·0*	19 37·03	−0·04	1·9979	+ ·001	−0·014	40 31 48·9	−0·2	6·825	·27	−0·06	5	7·12	40.1442
2555	9·3	19 42·33	...	1·5701	− ·001	...	50 5 25·9	...	6·832	·21	...	3	9·11	50.1230
2556	9·5*	7 19 43·96	−0·05	+1·9154	+0·001	−0·015	−42 38 21·9	−0·1	−6·834	−0·26	−0·02	5	6·54	42.1350
2557	9·0	19 52·45	...	1·7004	·000	...	47 31 25·4	...	6·846	·23	...	3	8·09	47.1299
2558	9·0*	20 19·26	−0·03	1·9621	·001	−0·010	41 29 31·0	−0·1	6·883	·27	−0·04	5	6·93	41.1392
2559	8·7	20 41·44	0·00	1·6908	− ·001	0·000	47 45 33·6	0·0	6·913	·23	−0·01	3	8·08	47.1313
2560	8·8	20 43·40	−0·02	1·8495	·000	−0·011	44 16 4·8	+0·1	6·916	·25	+0·06	3	8·11	44.1506

2524. $7^m·7, 9^m·9$ 1″·0 210° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2561	9·0	7 20 50·98	0·00	+1·6616	−0·001	+0·003	−48 21 40·5	+0·1	− 6·926	−0·22	+0·10	3	9·11	48.1156
2562	8·5	20 52·85	−0·01	1·9947	+ ·001	−0·004	40 40 19·5	−0·4	6·929	·27	−0·11	5	6·39	40.1454
2563	8·8	21 8·23	−0·01	1·7561	·000	−0·005	46 23 50·4	−0·1	6·950	·24	−0·06	3	8·09	46.1444
2564	9·3	21 26·50	−0·03	2·0152	·001	−0·008	40 9 22·4	−0·2	6·975	·27	−0·06	5	6·73	40.1461
2565	9·1	21 47·93	0·00	1·8220	·000	−0·002	44 57 33·1	0·0	7·004	·25	−0·02	3	8·11	44.1525
2566	9·0	7 21 48·60	−0·02	+1·8677	0·000	−0·005	−43 53 12·0	0·0	− 7·005	−0·25	+0·01	4	6·91	43.1443
2567	8·0	21 54·93	−0·01	1·8971	·000	−0·003	43 11 17·3	−0·1	7·014	·26	−0·04	4	7·16	43.1445
2568	9·0	21 59·19	0·00	1·6031	− ·001	0·000	49 34 2·1	0·0	7·019	·22	+0·02	3	9·11	49.1226
2569	8·5	22 2·43	0·00	1·6484	·001	+0·004	48 40 57·3	+0·1	7·024	·22	+0·11	3	9·14	48.1163
2570	8·6	22 12·18	−0·02	1·9082	+ ·001	−0·007	42 55 47·6	−0·1	7·037	·26	−0·03	5	6·96	42.1375
2571	8·4	7 22 18·53	0·00	+1·5118	−0·002	−0·001	−51 16 33·5	0·0	− 7·046	−0·20	−0·04	3	9·15	51.1178
2572	8·5	22 18·78	−0·01	1·7740	·000	−0·004	46 2 56·2	−0·1	7·046	·24	−0·05	3	8·09	46.1466
2573	7·0	22 44·26	0·00	1·9501	+ ·001	−0·001	41 54 36·0	0·0	7·081	·26	+0·01	5	6·53	41.1411
2574	9·3	22 50·48	...	1·5667	− ·001	...	50 17 50·5	...	7·089	·21	...	3	9·11	50.1243
2575	8·8	23 2·32	0·00	1·7867	·000	0·000	45 48 48·4	0·0	7·106	·24	−0·02	3	8·11	45.1469
2576	8·8	7 23 32·23	−0·01	+1·6247	−0·001	−0·008	−49 13 14·5	0·0	− 7·146	−0·22	+0·05	3	9·14	49.1238
2577	5·5*	23 47·90	0·00	1·5411	·002	−0·004	50 48 59·7	0·0	7·168	·21	0·00	3	9·10	50.1246
2578	8·0	23 52·27	−0·01	1·9094	+ ·001	−0·003	42 58 50·3	−0·2	7·174	·26	−0·06	5	6·55	42.1392
2579	8·3	23 55·81	...	1·8021	·000	...	45 30 42·7	...	7·178	·24	...	3	8·07	45.1478
2580	8·8	24 13·28	−0·01	1·7777	·000	−0·005	46 4 8·6	−0·1	7·202	·24	−0·04	3	8·11	46.1486
2581	8·5	7 24 26·35	−0·01	+1·8424	0·000	−0·003	−44 36 43·2	−0·1	− 7·220	−0·25	−0·03	3	8·12	44.1567
2582	8·3	24 29·94	0·00	1·7080	− ·001	−0·002	47 34 45·3	−0·1	7·225	·23	−0·06	3	8·15	47.1357
2583	9·3	24 39·94	...	1·6135	·001	...	49 29 30·0	...	7·239	·22	...	3	9·14	49.1241
2584	9·0	24 41·64	−0·04	1·9414	+ ·001	−0·013	42 13 15·1	−0·1	7·241	·26	−0·04	5	6·92	42.1399
2585	7·9	24 50·21	−0·01	1·7264	·000	−0·007	47 12 33·4	0·0	7·252	·23	+0·01	3	8·13	47.1360
2586	8·5	7 24 52·14	−0·03	+1·9775	+0·001	−0·009	−41 18 34·7	−0·3	− 7·255	−0·27	−0·10	5	6·77	41.1435
2587	9·5	25 2·19	−0·01	1·8202	·000	−0·005	45 9 4·6	0·0	7·269	·24	+0·02	3	8·11	45.1499
2588	8·5	25 5·41	−0·01	1·7413	·000	−0·008	46 54 14·0	0·0	7·273	·23	+0·02	3	8·13	46.1501
2589	8·1	25 9·61	−0·02	1·8800	·000	−0·006	43 45 26·0	0·0	7·279	·25	0·00	4	7·17	43.1489
2590	8·0	25 25·05	−0·01	1·4862	− ·002	−0·008	51 52 36·0	0·0	7·300	·20	−0·03	3	9·10	51.1195
2591	8·0	7 25 32·85	0·00	+1·6605	−0·001	+0·003	−48 36 24·8	0·0	− 7·310	−0·22	+0·04	3	9·14	48.1184
2592	9·5*	25 36·82	−0·02	1·9595	+ ·001	−0·006	41 48 24·9	−0·1	7·316	·26	−0·04	4	6·90	41.1444
2593	9·1	25 44·50	−0·03	1·9140	·001	−0·009	42 57 22·6	0·0	7·326	·26	−0·01	5	6·75	42.1408
2594	9·6	25 54·24	...	1·5808	− ·001	...	50 10 41·2	...	7·340	·21	...	3	9·14	50.1257
2595	8·5	26 26·26	0·00	1·6426	·001	−0·004	49 0 26·3	0·0	7·383	·22	0·00	3	9·10	48.1189
2596	8·4	7 26 43·74	−0·02	+1·8433	0·000	−0·008	−44 42 11·0	−0·1	− 7·406	−0·25	−0·03	3	8·07	44.1598
2597	9·2	26 48·02	...	1·5141	− ·002	...	51 26 55·1	...	7·412	·20	...	3	9·14	51.1206
2598	7·7	26 48·97	−0·02	1·7648	·000	−0·009	46 28 49·8	0·0	7·414	·24	−0·01	3	8·09	46.1517
2599	7·0*	26 58·51	−0·03	2·0016	+ ·001	−0·009	40 46 43·2	−0·2	7·426	·27	−0·05	5	6·15	40.1512
2600	8·8*	27 3·28	−0·02	1·9499	·001	−0·005	42 7 26·9	0·0	7·433	·26	0·00	5	6·22	42.1423

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		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2601	9·3	7 27 25·19	−0·01	+1·6755	−0·001	−0·006	−48 23 35·9	0·0	−7·463	−0·22	+0·04	3	9·14	48.1195
2602	9·4	27 27·81	...	1·6011	·001	...	49 52 7·5	...	7·466	·21	...	3	9·14	49.1256
2603	8·3	27 28·42	+0·01	1·8120	·000	+0·004	45 27 35·5	−0·1	7·467	·24	−0·03	3	8·11	45.1531
2604	9·0	27 33·39	−0·01	1·7300	·000	−0·007	47 15 59·1	−0·1	7·474	·23	−0·03	3	8·13	47.1383
2605	7·1	27 51·32	0·00	1·5742	·002	−0·003	50 23 53·3	0·0	7·498	·21	+0·01	3	9·13	50.1270
2606	8·9	7 27 56·22	−0·01	+1·8031	0·000	−0·006	−45 41 0·6	0·0	−7·504	−0·24	0·00	3	8·06	45.1541
2607	8·8	28 3·83	0·00	1·8631	·000	+0·001	44 18 6·4	0·0	7·515	·25	−0·01	3	8·10	44.1631
2608	7·6	28 15·84	−0·01	1·5457	− ·002	−0·011	50 56 45·3	0·0	7·531	·21	−0·03	5	9·13	50.1275
2609	9·0	28 25·22	−0·04	1·8819	·000	−0·011	43 52 18·5	+0·3	7·544	·25	+0·09	5	6·56	43.1536
2610	9·0	28 30·55	−0·04	1·9659	+ ·001	−0·013	41 47 8·5	−0·1	7·551	·26	−0·03	4	6·63	41.1484
2611	8·5	7 28 32·80	−0·03	+1·9148	0·000	−0·009	−43 4 37·6	−0·1	−7·554	−0·26	−0·02	5	7·16	43.1539
2612	9·5	29 10·15	−0·04	1·9440	+ ·001	−0·013	42 22 42·5	+0·1	7·604	·26	+0·02	4	6·91	42.1447
2613	8·8	29 11·76	−0·01	1·7589	·000	−0·006	46 43 41·3	−0·1	7·607	·23	−0·04	3	8·06	46.1548
2614	9·0	29 38·74	0·00	1·6186	− ·001	−0·002	49 38 20·8	+0·2	7·643	·21	+0·27	3	9·10	49.1269
2615	8·9	29 48·39	−0·03	1·9889	+ ·001	−0·009	41 15 2·7	0·0	7·656	·26	0·00	5:4	7·13:7·12	41.1492
2616	7·0*	7 30 0·69	−0·02	+1·9262	+0·001	−0·006	−42 52 7·3	−0·2	−7·673	−0·26	−0·03	5	6·18	42.1452
2617	8·5	30 0·74	−0·01	1·6521	− ·001	−0·015	48 59 45·4	0·0	7·673	·22	+0·01	3	9·14	48.1206
2618	9·4	30 3·25	...	2·0176	+ ·001	...	40 30 22·5	...	7·676	·27	...	4	7·16	40.1550
2619	9·0*	30 8·17	−0·02	1·8986	· ·000	−0·005	43 33 24·0	0·0	7·683	·25	−0·01	4	6·17	43.1565
2620	9·0	30 26·35	−0·01	1·8067	·000	−0·006	45 43 56·2	0·0	7·707	·24	−0·02	3	8·08	45.1576
2621	9·5	7 30 26·47	−0·02	+1·7219	−0·001	−0·009	−47 35 12·8	−0·1	−7·707	−0·23	−0·04	3	8·06	47.1408
2622	9·5	30 30·48	−0·05	1·9379	+ ·001	−0·016	42 36 27·0	0·0	7·713	·26	+0·01	4	7·16	42.1457
2623	9·0*	30 47·79	−0·03	1·9843	·001	−0·009	41 25 38·2	0·0	7·736	·26	0·00	4	6·67	41.1500
2624	7·0	30 49·09	0·00	1·5837	− ·002	−0·005	50 21 59·0	0·0	7·738	·21	0·00	3	9·10	50.1293
2625	8·0	31 6·36	−0·02	1·9685	+ ·001	−0·007	41 51 15·5	−0·1	7·761	·26	−0·05	4	7·14	41.1506
2626	8·4	7 31 9·64	−0·02	+1·7547	0·000	−0·011	−46 55 17·5	0·0	−7·765	−0·23	+0·02	3	8·09	46.1575
2627	7·8*	31 11·62	−0·01	1·9559	+ ·001	−0·003	42 10 47·8	0·0	7·768	·26	−0·01	4	6·45	42.1463
2628	9·0	31 14·70	0·00	1·5007	− ·002	−0·005	51 54 31·9	0·0	7·772	·20	0·00	3	9·14	51.1228
2629	9·5	31 28·05	−0·02	1·8869	·000	−0·007	43 54 32·0	+0·3	7·790	·25	+0·09	4	6·91	43.1587
2630	8·1	31 37·49	−0·01	1·8636	·000	−0·006	44 28 21·7	+0·1	7·803	·25	+0·05	3	8·06	44.1682
2631	7·0	7 31 43·25	0·00	+1·8806	0·000	−0·002	−44 4 33·0	0·0	−7·810	−0·25	0·00	5	8·12	44.1685
2632	6·5*	32 5·80	0·00	1·5396	− ·002	−0·005	51 15 13·9	0·0	7·841	·20	+0·03	3	9·10	51.1232
2633	9·5	32 16·51	−0·02	1·9939	+ ·001	−0·006	41 15 13·0	+0·1	7·855	·26	+0·03	5	6·41	41.1511
2634	7·8	32 18·50	−0·02	1·7832	·000	−0·010	46 21 22·5	−0·1	7·858	·24	−0·05	3	8·09	46.1597
2635	9·2	32 46·35	−0·01	1·7024	− ·001	−0·008	48 6 54·9	0·0	7·895	·23	0·00	3	9·14	48.1220
2636	7·5*	7 32 54·28	−0·01	+2·0305	+0·001	−0·002	−40 18 24·6	−0·2	−7·906	−0·27	−0·05	5	6·18	40.1579
2637	8·7	32 57·18	−0·02	1·9720	·001	−0·007	41 51 32·6	−0·1	7·910	·26	−0·02	6	6·96	41.1519
2638	9·1	33 9·52	0·00	1·5922	− ·002	−0·002	50 19 46·3	+0·1	7·926	·21	+0·06	3	9·10	50.1309
2639	8·3	33 12·13	0·00	1·6242	·001	−0·004	49 42 54·3	0·0	7·930	·21	+0·04	3	9·15	49.1291
2640	8·3	33 27·48	−0·01	1·7558	·000	−0·007	47 1 6·2	−0·1	7·950	·23	−0·03	3	8·06	46.1614

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2641	7·3	7 33 32·18	−0·02	+1·8557	0·000	−0·008	−44 45 47·2	0·0	−7·957	−0·24	+0·01	3	8·08	44.1717
2642	7·9	33 47·07	−0·02	1·8374	·000	−0·013	45 12 25·5	−0·1	7·976	·24	−0·05	3	8·11	45.1624
2643	6·0*	33 55·93	0·00	1·6817	− ·001	−0·005	48 36 18·5	0·0	7·988	·22	0·00	3	9·14	48.1228
2644	9·2	34 8·73	−0·01	1·5243	·002	−0·009	51 38 18·0	0·0	8·005	·20	−0·02	3	9·10	51.1241
2645	9·0*	34 19·34	+0·02	1·9436	+ ·001	+0·004	42 39 41·8	−0·2	8·020	·26	−0·04	6	6·20	42.1480
2646	8·5	7 34 49·96	−0·01	+1·9145	0·000	−0·004	−43 24 51·9	−0·1	−8·060	−0·25	−0·03	4	7·16	43.1648
2647	10·0	34 54·58	−0·06	1·9735	+ ·001	−0·019	41 55 39·7	+0·1	8·067	·26	+0·03	5	6·74	41.1539
2648	8·8	35 9·36	0·00	1·6633	− ·001	+0·001	49 2 38·0	+0·1	8·086	·22	+0·09	3	9·10	48.1234
2649	9·0	35 12·92	−0·03	1·9615	+ ·001	−0·009	42 15 9·7	−0·1	8·091	·26	−0·04	4	6·91	42.1492
2650	8·1	35 21·45	+0·01	1·8362	·000	+0·003	45 19 8·1	−0·1	8·102	·24	−0·05	3	8·06	45.1650
2651	6·0*	7 35 28·61	0·00	+1·6971	−0·001	−0·004	−48 22 22·9	0·0	−8·112	−0·22	0·00	3	9·13	48.1235
2652	9·0	35 31·66	0·00	1·8774	·000	+0·001	44 21 25·0	−0·1	8·116	·25	−0·04	3	8·10	44.1757
2653	8·0*	35 32·72	−0·01	1·7396	·001	−0·004	47 28 58·9	0·0	8·117	·23	−0·02	3	8·13	47.1470
2654	9·9	35 35·29	−0·04	2·0069	+ ·001	−0·012	41 5 8·7	+0·1	8·121	·26	+0·03	4	6·95	41.1548
2655	7·5	35 38·04	0·00	1·5409	− ·002	−0·003	51 24 58·9	0·0	8·125	·20	−0·05	3	9·15	51.1247
2656	9·0	7 35 41·00	−0·03	+1·9988	+0·001	−0·010	−41 18 22·7	−0·2	−8·128	−0·26	−0·06	4	6·67	41.1549
2657	7·8	36 12·30	−0·01	1·5998	− ·002	−0·009	50 20 54·4	+0·1	8·170	·21	+0·06	3	9·14	50.1327
2658	9·3	36 15·35	0·00	1·8061	·000	0·000	46 3 38·4	−0·2	8·174	·24	−0·09	2 : 3	8·11 : 8·10	46.1656
2659	8·4	36 16·58	0·00	1·5736	·002	−0·004	50 50 51·3	−0·2	8·176	·21	−0·26	3	9·11	50.1328
2660	8·5*	36 20·32	−0·01	2·0469	+ ·001	−0·004	40 2 43·0	−0·1	8·181	·27	−0·02	4	6·64	39.1559
2661	8·0	7 36 28·64	−0·02	+1·9329	0·000	−0·007	−43 2 55·6	−0·1	−8·192	−0·25	−0·02	15 : 14	6·78 : 6·76	42.1505
2662	7·2	36 29·13	0·00	1·6780	− ·001	−0·002	48 49 13·9	0·0	8·193	·22	+0·03	3	9·14	48.1243
2663	8·1	36 36·56	−0·02	1·7501	·001	−0·008	47 19 2·0	0·0	8·202	·23	−0·01	3	8·06	47.1482
2664	9·1	36 39·03	−0·01	1·6208	·002	−0·008	49 58 3·8	0·0	8·205	·21	+0·01	3	9·16	49.1315
2665	8·3	36 47·67	0·00	1·7730	·000	0·000	46 49 33·9	−0·2	8·217	·23	−0·08	3	8·11	46.1663
2666	8·0	7 36 52·48	−0·01	+1·8217	0·000	−0·006	−45 44 15·4	−0·1	−8·224	−0·24	−0·05	3	8·13	45.1680
2667	8·4	36 56·44	−0·01	1·8564	·000	−0·004	44 56 0·8	+0·1	8·229	·24	+0·04	3	8·13	44.1783
2668	9·0*	37 2·61	−0·03	1·9702	+ ·001	−0·008	42 7 45·2	0·0	8·237	·26	−0·01	4	6·44	42.1512
2669	9·0	37 9·25	...	1·8989	·000	...	43 55 36·2	...	8·246	·25	...	4	7·19	43.1688
2670	9·0	37 12·14	−0·03	1·9415	·001	−0·009	42 52 19·5	−0·2	8·250	·25	−0·06	4	6·92	42.1515
2671	7·8†	7 37 43·56	−0·02	+1·9395	+0·001	−0·007	−42 57 2·4	−0·1	−8·292	−0·25	−0·04	5	6·54	42.1521
2672	8·3	38 7·74	0·00	1·6506	− ·001	−0·005	49 27 46·6	0·0	8·324	·22	−0·03	3	9·10	49.1321
2673	7·5	38 13·56	−0·01	1·8821	·000	−0·004	44 23 50·4	0·0	8·331	·25	−0·01	3	8·06	44.1809
2674	8·5	39 5·99	−0·05	1·9990	+ ·001	−0·015	41 29 37·6	0·0	8·401	·26	0·00	6	6·35	41.1599
2675	8·6	39 7·82	0·00	1·7972	·000	−0·001	46 25 16·0	0·0	8·403	·23	−0·02	3	8·06	46.1702
2676	9·0	7 39 15·10	−0·01	+2·0403	+0·001	−0·003	−40 23 21·4	−0·1	−8·413	−0·27	−0·04	4	6·45	40.1662
2677*	7·5*	39 24·22	−0·02	1·9676	·001	−0·005	42 19 47·9	−0·1	8·425	·26	−0·04	4	6·40	42.1551
2678	9·0	39 47·54	+0·02	1·9415	·000	+0·007	43 1 11·8	+0·1	8·456	·25	+0·03	4	7·12	42.1557
2679	6·5	39 51·46	−0·02	1·8641	·000	−0·008	44 55 8·4	−1·1	8·461	·24	−0·57	5	8·11	44.1829
2680	8·5	39 57·58	−0·01	1·6832	− ·001	−0·006	48 54 33·5	0·0	8·469	·22	−0·02	3	9·10	48.1263

2677. $7^m\cdot9, 8^m\cdot9$ $1''\pm$ $135^\circ\pm$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2681	9·3	7 39 58·92	0·00	+1·9893	+0·001	0·000	−41 48 3·0	−0·3	−8·471	−0·26	−0·09	4	6·88	41.1612
2682	9·3	40 1·40	...	1·9182	·000	...	43 36 57·9	...	8·474	·25	...	4:3	6·91:7·18	43.1730
2683	6·0*	40 17·58	+0·04	2·0315	·001	+0·011	40 41 20·6	−0·7	8·495	·26	−0·19	4	6·18	40.1681
2684	8·5	40 21·90	−0·02	2·0147	·001	−0·007	41 8 46·9	0·0	8·501	·26	+0·01	4	6·70	41.1621
2685	7·5	40 22·84	0·00	1·6425	− ·001	−0·004	49 45 11·9	0·0	8·502	·21	+0·01	3	9·11	49.1333
2686	8·3	7 40 24·86	−0·01	+1·7833	0·000	−0·004	−46 48 26·4	−0·1	−8·505	−0·23	−0·06	3	8·06	46.1711
2687	8·0	40 30·24	0·00	1·8357	·000	+0·001	45 37 29·1	0·0	8·512	·24	−0·02	3	8·10	45.1727
2688	9·5	40 30·79	...	1·7353	− ·001	...	47 51 17·1	...	8·513	·23	...	3	8·12	47.1523
2689	9·0	40 36·72	−0·03	1·9978	+ ·001	−0·009	41 36 47·8	+0·2	8·521	·26	+0·05	4	6·67	41.1624
2690	6·9	40 49·45	−0·01	1·5286	− ·003	−0·010	51 55 42·4	+0·1	8·538	·20	+0·17	5	9·13	51.1266
2691	9·0*	7 40 50·40	0·00	+1·9221	0·000	−0·001	−43 34 6·1	−0·1	−8·539	−0·25	−0·04	4	6·63	43.1739
2692	9·3	41 8·69	...	1·9770	+ ·001	...	42 11 22·3	...	8·563	·26	...	4	6·69	42.1582
2693	9·5	41 19·70	...	1·5948	− ·002	...	50 43 56·4	...	8·578	·21	...	3	9·10	50.1353
2694	8·5*	41 31·61	+0·01	2·0512	+ ·001	+0·003	40 13 13·8	−0·5	8·593	·27	−0·14	5	6·22	40.1701
2695	7·0	41 31·63	−0·02	1·6222	− ·002	−0·019	50 13 8·5	+0·1	8·593	·21	+0·13	3	9·13	50.1356
2696	8·0	7 41 41·03	0·00	+1·5525	−0·002	+0·003	−51 32 34·4	−0·1	−8·605	−0·20	−0·06	3	9·14	51.1269
2697	8·6	41 53·46	0·00	1·8085	·000	−0·002	46 19 40·6	−0·1	8·622	·24	−0·05	3	8·07	46.1729
2698	8·1	42 17·00	−0·02	1·8819	·000	−0·008	44 38 19·2	0·0	8·653	·24	−0·01	3	8·10	44.1858
2699	8·3	42 18·19	0·00	1·7015	·001	−0·003	48 40 17·1	0·0	8·654	·22	−0·03	3	9·10	48.1273
2700	8·8	42 19·02	0·00	1·6776	·001	−0·003	49 9 45·6	0·0	8·656	·22	+0·02	3	9·15	49.1345
2701*	Var.	7 42 38·33	−0·04	+1·9895	+0·001	−0·012	−41 57 4·4	+0·1	−8·681	−0·26	+0·03	5	6·36	41.1665
2702	8·5	42 40·09	−0·01	1·7652	− ·001	−0·007	47 20 25·8	0·0	8·683	·23	+0·01	3	8·12	47.1547
2703	9·0	42 40·56	−0·02	2·0191	+ ·001	−0·007	41 9 46·2	0·0	8·684	·26	−0·01	5	6·56	41.1667
2704	9·4	42 44·54	...	1·8603	·000	...	45 10 48·3	...	8·689	·24	...	3	8·10	45.1752
2705	8·9†	43 0·62	...	1·9579	·001	...	42 47 39·9	...	8·710	·25	...	5:4	6·40:6·44	42.1623
2706	7·9	7 43 16·09	−0·02	+1·8303	0·000	−0·008	−45 54 50·7	−0·1	−8·730	−0·24	−0·03	5	8·11	45.1755
2707	9·0	43 29·94	−0·01	1·9917	+ ·001	−0·004	41 56 39·1	0·0	8·749	·26	+0·01	5	6·36	41.1680
2708	7·0	43 32·25	0·00	1·5712	− ·002	−0·003	51 18 17·1	0·0	8·752	·20	+0·03	3	9·09	51.1288
2709*	8·7	43 49·19	...	1·7067	·001	...	48 39 20·5	0·0	8·774	·22	+0·03	3	9·13	48.1280
2710	7·7	43 49·76	−0·01	1·7441	·001	−0·004	47 51 56·7	0·0	8·774	·23	+0·01	3	8·09	47.1564
2711	9·5	7 43 52·58	−0·01	+1·9601	+0·001	−0·003	−42 47 18·1	+0·1	−8·778	−0·25	+0·02	5	6·57	42.1639
2712	7·5	43 56·44	0·00	1·9463	·001	−0·001	43 8 50·6	−0·2	8·783	·25	−0·08	5	7·16	43.1784
2713	7·5	44 0·27	−0·01	1·6020	− ·002	−0·007	50 45 5·8	0·0	8·788	·21	+0·04	3	9·15	50.1373
2714	7·5	44 13·53	0·00	1·6447	·002	−0·002	49 56 12·9	0·0	8·806	·21	0·00	4:5	9·14:9·13	49.1356
2715	5·9*	44 30·22	−0·01	1·8141	·000	−0·003	46 21 36·4	0·0	8·827	·23	−0·01	3	8·07	46.1770
2716	7·5	7 44 35·67	−0·01	+1·7964	0·000	−0·003	−46 45 52·3	0·0	−8·835	−0·23	0·00	3	8·10	46.1774
2717	8·8	44 37·56	−0·03	2·0163	+ ·001	−0·008	41 21 26·4	+0·2	8·837	·26	+0·06	5	6·75	41.1705
2718*	9·0	44 50·54	0·00	1·9024	·000	−0·002	44 17 44·1	+0·1	8·854	·24	+0·06	3	8·12	44.1891
2719	8·3	44 51·65	0·00	1·9829	·001	−0·001	42 15 30·1	−0·3	8·856	·26	−0·10	5	6·77	42.1651
2720	8 0	45 10·61	−0·01	1·6690	− ·001	−0·006	49 30 37·6	+0·1	8·880	·21	+0·15	3	9·10	49.1362

2701. L=7·2 and 9.
2709. Proper Motion in R.A. from comparison with one observation in C.Z. = −0ˢ·050, but the zero of the Cordoba chronograph is uncertain.
2718. 9ᵐ·0, 9ᵐ·6 2″·5± 90°± Bright star observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2721	8·6	7 45 10·62	−0·02	+1·7863	0·000	−0·009	−47 1 33·8	−0·1	−8·880	−0·23	−0·04	3	8·11	46.1782
2722	8·9†	45 19·42	...	2·0110	+ ·001	...	41 32 32·0	...	8·892	·26	...	4	6·88	41.1718
2723	8·3	45 29·11	−0·01	1·8660	·000	−0·003	45 12 49·0	0·0	8·905	·24	0·00	3	8·11	45.1782
2724	7·5*	45 36·24	−0·01	1·9537	·001	−0·004	43 3 37·7	−0·3	8·914	·25	−0·09	4	6·90	42.1667
2725	9·5	45 57·44	...	1·9601	·001	...	42 54 52·4	...	8·942	·25	...	4	7·16	42.1675
2726	9·5	7 45 59·29	...	+1·5539	−0·002	...	−51 46 18·7	...	−8·944	−0·20	...	3:4	9·14	51.1305
2727	8·3	46 0·02	−0·01	1·9238	·000	−0·002	43 50 14·9	−0·1	8·945	·25	−0·04	14	6·49	43.1824
2728	8·8	46 4·23	−0·03	1·9792	+ ·001	−0·012	42 25 40·0	−0·1	8·950	·25	−0·02	4	7·18	42.1679
2729	9·0	46 10·86	0·00	1·7196	− ·001	−0·001	48 31 41·2	+0·1	8·959	·22	+0·06	3	9·10	48.1300
2730	4·0*	46 11·47	−0·01	1·8290	·000	−0·003	46 7 16·6	0·0	8·960	·24	−0·01	3	8·09	46.1795
2731	7·0	7 46 18·92	−0·02	+1·8978	0·000	−0·010	−44 29 58·2	0·0	−8·970	−0·24	−0·02	3	8·10	44.1908
2732	9·6	46 45·59	...	2·0180	+ ·001	...	41 26 39·7	...	9·004	·26	...	5	6·72	41.1747
2733	8·0	47 13·29	0·00	1·6220	− ·002	−0·005	50 33 49·5	0·0	9·040	·21	0·00	3	9·10	50.1392
2734	7·0	47 40·76	−0·01	1·6394	·002	−0·006	50 15 11·4	0·0	9·076	·21	−0·05	3	9·13	50.1394
2735	7·8	47 47·26	−0·01	1·7357	·001	−0·013	48 17 16·1	−0·1	9·085	·22	−0·07	3	9·15	48.1309
2736	9·3	7 47 58·75	...	+1·6792	−0·001	...	−49 28 35·1	...	−9·099	−0·21	...	3	9·15	49.1386
2737	9·1†	48 0·84	...	2·0711	+ ·001	...	40 3 35·1	...	9·102	·27	...	5	6·20	39.1782
2738	8·4	48 6·08	−0·01	1·7649	− ·001	−0·003	47 40 49·0	0·0	9·109	·23	0·00	3	8·07	47.1615
2739	8·9	48 20·82	+0·01	1·8208	·000	+0·004	46 26 47·3	−0·1	9·128	·23	−0·07	3	8·10	46.1826
2740	6·5	48 22·74	0·00	1·9770	+ ·001	−0·001	42 37 52·7	−0·1	9·131	·25	−0·03	5	7·12	42.1726
2741	8·9	7 48 30·23	0·00	+1·7110	−0·001	0·000	−48 51 19·4	0·0	−9·140	−0·22	+0·02	3	9·11	48.1314
2742	9·0	48 33·61	...	2·0114	+ ·001	...	41 44 5·7	...	9·145	·26	...	4	6·66	41.1790
2743	8·0	48 54·55	−0·03	1·9999	·001	−0·009	42 3 51·3	−0·1	9·172	·26	−0·02	8	6·80	42.1737
2744	9·6	49 15·71	−0·02	2·0651	·001	−0·008	40 18 21·5	0·0	9·199	·26	0·00	4	7·12	40.1865
2745	9·3	49 20·15	−0·01	1·8999	·000	−0·006	44 34 24·0	0·0	9·205	·24	+0·02	3	8·07	44.1955
2746	9·0	7 49 22·87	−0·04	+2·0384	+0·001	−0·012	−41 3 13·2	−0·1	−9·209	−0·26	−0·02	4	6·48	40.1868
2747	9·0	49 25·45	−0·01	1·8008	·000	−0·006	46 58 11·6	0·0	9·212	·23	+0·01	3	8·11	46.1838
2748	8·6	49 27·21	0·00	1·7936	·000	−0·001	47 8 0·3	−0·2	9·214	·23	−0·08	3	8·12	47.1633
2749	8·5	49 49·32	−0·01	1·7657	− ·001	−0·006	47 46 16·4	−0·1	9·243	·22	−0·04	3	8·14	47.1641
2750	8·5*	49 49·68	+0·03	1·9382	+ ·001	+0·008	43 43 13·0	−0·1	9·243	·25	−0·02	5	6·76	43.1887
2751	9·2	7 49 54·83	...	+1·8576	0·000	...	−45 41 27·8	...	−9·250	−0·24	...	3	8·13	45.1835
2752	8·5	50 3·08	−0·01	1·8887	·000	−0·007	44 57 29·9	−0·1	9·261	·24	−0·04	3	8·10	44.1966
2753	8·4	50 5·30	0·00	1·5930	− ·002	+0·002	51 17 50·0	0·0	9·263	·20	+0·01	3	9·13	51.1318
2754	7·5	50 5·70	0·00	1·6467	·002	−0·004	50 15 41·3	0·0	9·264	·21	+0·03	3	9·09	50.1404
2755	5·0*	50 14·61	0·00	1·6923	·001	−0·001	49 21 9·7	0·0	9·275	·21	+0·01	3	9·15	49.1398
2756	9·0	7 50 23·96	−0·03	+1·9903	+0·001	−0·008	−42 24 57·4	−0·1	−9·288	−0·25	−0·02	4	6·41	42.1771
2757	9·0*	50 32·06	−0·02	2·0531	·001	−0·005	40 43 19·2	−0·2	9·298	·26	−0·05	4	6·90	40.1886
2758	8·0	50 39·53	−0·01	2·0273	·001	−0·004	41 26 27·1	0·0	9·308	·26	−0·01	4	6·68	41.1835
2759	8·0	50 41·98	−0·01	1·9398	·001	−0·004	43 44 13·7	−0·1	9·311	·25	−0·02	5	6·78	43.1900
2760	8·8	50 59·52	...	1·6298	− ·002	...	50 39 7·3	...	9·334	·21	...	3	9·10	50.1410

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2761	8·1	7 51 0·52	−0·01	+1·8883	0·000	−0·006	−45 1 53·6	0·0	−9·335	−0·24	−0·02	3	8·07	44.1985
2762	9·3	51 1·18	...	1·7481	− ·001	...	48 13 55·1	...	9·336	·22	...	3	9·14	48.1338
2763	8·0	51 15·32	−0·03	2·0002	+ ·001	−0·008	42 12 32·4	0·0	9·354	·25	0·00	5	6·56	42.1787
2764	7·5	51 32·05	−0·01	1·9279	·000	−0·005	44 5 31·5	0·0	9·375	·24	−0·02	3	8·10	44.1995
2765	7·6	51 37·65	−0·01	1·6695	− ·001	−0·006	49 54 25·4	0·0	9·383	·21	+0·04	3	9·13	49.1415
2766	9·5	7 51 57·98	...	+1·5644	−0·003	...	−51 57 4·2	...	−9·409	−0·20	...	3	9·14	51.1329
2767	8·9	52 2·21	0·00	1·6947	·001	−0·005	49 25 14·8	0·0	9·414	·21	+0·03	3	9·10	49.1421
2768	9·3†	52 9·35	...	2·0425	+ ·001	...	41 7 22·3	...	9·423	·26	...	5	6·21	41.1859
2769	9·4†	52 18·76	...	2·0173	·001	...	41 49 11·4	...	9·436	·26	...	5	6·38	41.1861
2770	8·2	52 22·36	...	1·8343	·000	...	46 24 1·7	...	9·440	·23	...	3	8·07	46.1894
2771	8·0	7 52 43·77	0·00	+1·9205	0·000	−0·002	−44 21 15·3	−0·1	−9·468	−0·24	−0·04	3	8·11	44.2019
2772	7·0*	52 43·80	−0·01	1·8646	·000	−0·006	45 42 49·8	0·0	9·468	·24	+0·01	3	8·13	45.1879
2773	9·1	52 57·29	−0·03	1·9760	+ ·001	−0·009	42 57 26·0	−0·1	9·485	·25	−0·02	5	6·55	42.1844
2774	8·9	53 11·60	0·00	1·7313	− ·001	−0·001	48 44 0·5	+0·1	9·503	·22	+0·09	3	9·11	48.1351
2775	8·8	53 23·23	...	1·5997	·002	...	51 23 5·6	...	9·518	·20	...	3	9·13	51.1332
2776	7·0	7 53 30·07	0·00	+1·6165	−0·002	0·000	−51 4 15·6	0·0	−9·527	−0·20	+0·03	3	9·13	51.1333
2777	9·0*	53 33·79	−0·03	1·9847	+ ·001	−0·007	42 46 14·0	−0·1	9·532	·25	−0·03	5	6·18	42.1858
2778	8·4	53 47·33	−0·01	1·8034	·000	−0·007	47 12 1·2	−0·1	9·549	·23	−0·04	3	8·09	47.1694
2779	9·3	54 14·19	0·00	1·8210	·000	−0·002	46 49 47·5	−0·1	9·584	·23	−0·04	3	8·12	46.1938
2780	8·5*	54 25·51	0·00	1·9693	·001	−0·001	43 13 47·9	+1·2	9·598	·25	+0·32	5	6·17	43.1987
2781	7·9	7 54 33·75	−0·01	+1·8440	0·000	−0·006	−46 19 23·9	+0·1	−9·609	−0·23	+0·03	3	8·13	46.1943
2782	7·4	54 43·16	−0·01	1·8871	·000	−0·003	45 18 27·9	0·0	9·621	·24	+0·02	3	8·09	45.1919
2783	9·5	54 48·54	...	1·7092	− ·001	...	49 18 24·6	...	9·628	·21	...	3	9·10	49.1438
2784	9·3	54 51·32	...	1·9964	+ ·001	...	42 33 3·1	...	9·631	·25	...	4	6·67	42.1885
2785	9·5	55 1·74	...	1·6484	− ·002	...	50 33 6·6	...	9·645	·21	...	3	9·14	50.1428
2786	8·9	7 55 7·37	0·00	+1·7367	−0·001	−0·003	−48 44 56·4	0·0	−9·652	−0·22	−0·02	3	9·14	48.1372
2787	9·3	55 25·80	−0·01	1·9326	+ ·001	−0·003	44 14 11·9	0·0	9·675	·24	0·00	3	8·12	44.2061
2788	9·3	55 25·94	...	2·0237	·001	...	41 51 22·1	...	9·676	·25	...	4	7·16	41.1938
2789	8·5*	55 42·39	−0·03	2·0429	·001	−0·010	41 19 16·1	+0·6	9·696	·26	+0·22	4	7·12	41.1943
2790	8·5*	55 44·39	−0·02	2·0844	·001	−0·005	40 11 15·7	−0·2	9·699	·26	−0·06	5	6·17	40.1982
2791	8·7	7 55 47·70	...	+1·7795	−0·001	...	−47 52 3·9	...	−9·703	−0·22	...	3	8·09	47.1734
2792	7·3	56 3·88	0·00	1·7696	·001	−0·003	48 6 11·1	0·0	9·724	·22	+0·02	3	9·10	48.1378
2793	7·4	56 28·40	−0·01	1·6206	·002	−0·006	51 11 31·5	0·0	9·755	·20	−0·01	3	9·14	51.1344
2794	9·3	56 31·98	0·00	1·6985	·001	0·000	49 38 41·0	0·0	9·760	·21	+0·03	3	9·14	49.1450
2795	8·0*	56 33·92	−0·01	1·9779	+ ·001	−0·004	43 8 58·0	+0·2	9·762	·25	+0·05	4	6·41	43.2045
2796	8·4	7 56 38·74	−0·01	+1·5847	−0·002	−0·009	−51 53 5·4	0·0	−9·768	−0·20	+0·05	3	9·16	51.1346
2797	7·8	56 44·06	−0·01	1·8198	·000	−0·005	47 1 45·0	0·0	9·775	·23	−0·02	3	8·12	46.1983
2798	8·3	56 47·21	+0·01	1·8687	·000	+0·005	45 53 27·5	−0·2	9·779	·23	−0·10	3	8·10	45.1972
2799	8·0	56 51·43	−0·01	1·9160	·000	−0·006	44 45 2·8	0·0	9·784	·24	0·00	3	8·13	44.2083
2800	8·0*	57 21·72	−0·02	2·0861	+ ·001	−0·005	40 15 1·0	0·0	9·823	·26	−0·01	5	6·17	40.2005

No.	Mag.	Mean R.A. 1900·0	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2801	8·5	7 57 26·56	−0·03	+2·0222	+0·001	−0·010	−42 2 17·0	−0·2	− 9·829	−0·25	−0·06	4	7·13	41.1989
2802	6·6*	57 33·91	0·00	1·7518	− ·001	−0·005	48 35 43·2	0·0	9·838	·22	0·00	3	9·10	48.1400
2803	8·0*	57 34·34	−0·04	1·9947	+ ·001	−0·010	42 47 0·7	−0·1	9·839	·25	−0·04	4	6·46	42.1939
2804	9·2	57 50·61	−0·01	1·9492	·001	−0·005	43 59 2·2	−0·1	9·860	·24	−0·03	4	7·19	43.2075
2805	9·4	58 1·96	0·00	1·6397	− ·002	−0·004	50 55 44·4	+0·1	9·874	·20	+0·07	3	9·14	50.1453
2806	8·1	7 58 21·23	−0·01	+1·9120	0·000	−0·006	−44 57 11·6	0·0	− 9·898	−0·24	−0·01	3	8·07	44.2114
2807	7·8	58 28·28	0·00	1·7195	− ·001	−0·005	49 20 33·2	0·0	9·907	·21	−0·01	3	9·10	49.1463
2808	8·5	58 36·49	...	1·8878	·000	...	45 33 47·3	...	9·918	·23	...	3	8·11	45.2014
2809	9·0*	58 46·82	−0·04	2·0386	+ ·001	−0·010	41 40 41·6	+0·1	9·931	·25	+0·03	5	6·18	41.2026
2810	7·6	58 48·03	0·00	1·6727	− ·001	0·000	50 19 36·2	0·0	9·933	·21	0·00	3	9·14	50.1456
2811	9·0*	7 58 59·51	−0·03	+2·0191	+0·001	−0·009	−42 13 50·9	−0·1	− 9·948	−0·25	−0·04	4	6·46	42.1960
2812	9·3	59 5·77	0·00	1·8391	·000	+0·001	46 45 3·5	−0·1	9·955	·23	−0·04	3	8·14	46.2033
2813*	7·4	59 13·46	−0·01	1·9372	·001	−0·003	44 23 14·0	0·0	9·965	·24	0·00	3	8·07	44.2138
2814	8·8	59 25·42	...	1·8627	·000	...	46 13 9·5	...	9·980	·23	...	3	8·12	46.2038
2815	7·6	59 40·40	0·00	1·6336	− ·002	−0·004	51 9 37·1	0·0	9·999	·20	+0·04	3	9·10	51.1354
2816	9·4	7 59 46·74	...	+2·0497	+0·001	...	−41 26 48·7	...	−10·007	−0·25	...	5	6·96	41.2048
2817	8·8	59 47·17	−0·02	2·0741	·001	−0·007	40 45 43·5	−0·1	10·007	·26	−0·04	4	7·17	40.2049
2818	7·1	59 57·38	0·00	1·7848	− ·001	−0·003	48 2 36·9	0·0	10·020	·22	+0·02	5	9·14	47.1796
2819	9·0*	59 57·43	−0·03	1·9853	+ ·001	−0·011	43 12 5·0	+0·1	10·020	·25	+0·02	4	6·90	43.2115
2820	9·5	8 0 3·37	...	1·8030	·000	...	47 38 37·3	...	10·028	·22	...	3	8·11	47.1799
2821	7·0*	8 0 9·15	−0·02	+2·0059	+0·001	−0·006	−42 39 57·7	0·0	−10·035	−0·25	−0·01	4:5	6·15:6·17	42.1997
2822	8·9	0 10·49	−0·02	2·0497	·001	−0·005	41 28 29·3	0·0	10·037	·25	+0·01	4	6·96	41.2055
2823	7·3	0 37·04	−0·01	1·7328	− ·001	−0·007	49 12 59·0	0·0	10·070	·21	+0·01	3	9·09	49.1479
2824	7·0*	1 8·59	−0·02	2·0158	+ ·001	−0·006	42 28 28·0	0·0	10·110	·25	+0·01	7	6·18	42.2019
2825	9·0	1 16·10	0·00	1·7155	− ·001	−0·004	49 37 30·2	0·0	10·119	·21	+0·04	3	9·13	49.1485
2826	9·0*	8 1 27·03	−0·04	+2·0404	+0·001	−0·012	−41 49 32·1	−0·1	−10·133	−0·25	−0·03	5	6·60	41.2081
2827	9·5	1 36·47	...	2·0667	·001	...	41 6 10·3	...	10·145	·26	...	4	6·93	41.2083
2828	7·0	1 54·10	0·00	1·6847	− ·001	−0·005	50 18 17·8	0·0	10·167	·21	−0·01	3	9·09	50.1476
2829	8·3	1 58·78	−0·01	1·9155	+ ·001	−0·005	45 7 41·9	−0·1	10·173	·24	−0·03	3	8·07	45.2077
2830	9·5	1 59·01	...	2·0284	·001	...	42 11 35·7	...	10·173	·25	...	4	7·18	42.2038
2831	9·6†	8 1 59·11	...	+2·0034	+0·001	...	−42 52 2·5	...	−10·173	−0·25	...	4	6·91	42.2041
2832	8·3	2 1·38	−0·01	1·9587	·001	−0·006	44 2 31·8	+0·1	10·176	·24	+0·05	5:6	8·14	43.2161
2833	8·5*	2 4·03	−0·01	1·9628	·001	−0·002	43 56 18·7	+0·1	10·180	·24	+0·04	4:5	6·90:6·77	43.2163
2834	7·2	2 15·22	−0·01	1·8515	·000	−0·005	46 41 32·2	0·0	10·194	·23	0·00	3	8·11	46.2105
2835	7·8	2 30·48	0·00	1·9269	·001	−0·001	44 53 3·6	0·0	10·213	·24	0·00	3	8·12	44.2201
2836	8·1	8 2 39·13	−0·01	+1·8939	0·000	−0·006	−45 42 31·8	0·0	−10·224	−0·23	0·00	3	8·11	45.2095
2837	8·5*	2 44·58	−0·01	2·1060	+ ·001	−0·002	40 3 20·8	−0·2	10·231	·26	−0·04	5	6·21	39.2070
2838	8·4	3 36·82	0·00	1·7572	− ·001	−0·004	48 54 47·0	0·0	10·296	·22	+0·02	5	9·14	48.1463
2839	7·0	3 42·74	0·00	1·7898	·000	−0·005	48 12 29·5	0·0	10·303	·22	+0·02	3	9·10	48.1465
2840	8·0	3 47·17	0·00	1·8315	·000	−0·001	47 16 15·5	−0·1	10·309	·22	−0·06	3	8·08	47.1859

2813. $7^m·5, 10^m·6$ 2″·2 312°.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2841	9·3	8 3 51·97	...	+1·6197	−0·002	...	−51 43 45·7	...	−10·315	−0·20	...	3	9·13	51.1369
2842	7·7	4 5·29	−0·01	1·8048	·000	−0·004	47 53 59·4	−0·1	10·331	·22	−0·07	3	8·10	47.1863
2843	9·8	4 26·71	...	1·7164	·001	...	49 50 32·2	...	10·358	·21	...	3	9·16	49.1506
2844	8·8*	4 44·09	−0·02	1·9928	+ ·001	−0·004	43 21 17·0	−0·1	10·380	·24	−0·02	5	6·13	43.2224
2845	8·0	4 44·45	0·00	1·6694	− ·002	0·000	50 49 11·9	−0·1	10·380	·20	−0·06	3	9·11	50.1484
2846	7·0	8 4 45·06	0·00	+1·7701	−0·001	+0·002	−48 43 9·1	0·0	−10·381	−0·22	−0·01	3	9·11	48.1476
2847	8·3	4 51·92	−0·01	1·9386	+ ·001	−0·003	44 45 58·4	−0·2	10·390	·24	−0·09	3	8·10	44.2257
2848*	9·0*	5 4·59	−0·05	2·0573	·001	−0·013	41 37 24·8	0·0	10·406	·25	−0·01	5	6·22	41.2165
2849	8·8	5 12·66	−0·01	1·9102	·001	−0·006	45 30 10·2	0·0	10·416	·23	0·00	3	8·11	45.2157
2850	9·3	5 15·46	...	1·8768	·000	...	46 19 0·8	...	10·419	·23	...	3	8·11	46.2176
2851	9·6	8 5 20·79	...	+2·0327	+0·001	...	−42 19 32·8	...	−10·426	−0·25	...	5	6·76	42.2115
2852	8·0	5 22·61	−0·01	1·8351	·000	−0·005	47 18 33·2	−0·2	10·428	·22	−0·09	3	8·14	47.1895
2853	8·4	5 27·88	0·00	1·9648	·001	+0·001	44 8 29·7	0·0	10·435	·24	+0·02	3	8·15	44.2277
2854	8·8	5 40·24	...	1·7423	− ·001	...	49 23 10·1	...	10·450	·21	...	3	9·11	49.1512
2855	8·0	5 55·64	0·00	1·7045	·001	−0·002	50 11 52·5	0·0	10·469	·21	−0·01	3	9·11	50.1494
2856	9·5	8 5 59·91	...	+2·0716	+0·001	...	−41 17 25·3	...	−10·474	−0·25	...	5	7·14	41.2183
2857	8·7	6 4·82	0·00	1·8632	·000	−0·002	46 42 14·7	0·0	10·480	·23	−0·02	3	8·10	46.2195
2858	9·0	6 13·76	−0·02	2·0303	·001	−0·006	42 27 34·6	−0·1	10·492	·25	−0·03	5	6·97	42.2136
2859	8·0*	6 34·38	−0·01	2·0880	·001	−0·003	40 51 38·7	0·0	10·517	·25	+0·01	5	6·13	40.2172
2860	5·9*	6 40·76	0·00	1·8249	·000	−0·002	47 38 31·1	0·0	10·525	·22	−0·02	3	8·11	47.1920
2861	7·0	8 6 46·73	−0·01	+1·6403	−0·002	−0·007	−51 32 52·8	+0·1	−10·532	−0·20	+0·07	3	9·10	51.1386
2862	8·4	6 59·86	...	1·8085	·000	...	48 2 20·7	...	10·549	·22	...	3	9·12	47.1927
2863	7·6	7 18·41	−0·01	1·7780	·001	−0·006	48 44 17·8	0·0	10·572	·22	−0·05	3	9·14	48.1522
2864	9·3†	7 55·68	...	2·0497	+ ·001	...	42 3 12·4	...	10·618	·25	...	5	6·23	41.2223
2865	8·8	8 2·41	−0·03	2·0224	·001	−0·009	42 49 4·6	0·0	10·626	·25	−0·01	4	7·14	42.2185
2866	8·0	8 8 5·43	−0·01	+1·6784	−0·002	−0·006	−50 53 32·9	0·0	−10·630	−0·20	−0·04	3	9·12	50.1504
2867	8·3	8 23·43	−0·02	1·9026	·000	−0·011	45 56 2·5	−0·1	10·652	·23	−0·03	3	8·10	45.2235
2868	9·0*	8 29·04	−0·01	1·9815	+ ·001	−0·004	43 56 27·9	−0·1	10·659	·24	−0·03	4	6·36	43.2294
2869	7·5	8 44·67	−0·02	2·0139	·001	−0·006	43 6 2·2	−0·1	10·678	·24	−0·04	4	7·20	43.2300
2870	8·5*	8 45·57	−0·06	2·1163	·002	−0·020	40 12 21·9	+0·3	10·680	·26	+0·09	4:3	6·90:6·82	40.2215
2871	7·5	8 8 46·04	−0·01	+1·7355	−0·001	−0·008	−49 46 7·3	0·0	−10·680	−0·21	−0·04	3	9·14	49.1538
2872	7·2	8 51·25	−0·01	1·8871	·000	−0·005	46 20 40·4	0·0	10·687	·23	−0·02	3	8·12	46.2254
2873	8·1	9 13·19	−0·01	1·6440	·002	−0·014	51 39 43·9	−0·1	10·713	·20	−0·08	3	9·13	51.1392
2874	8·3	9 18·32	−0·02	1·9524	+ ·001	−0·012	44 45 35·5	+0·1	10·720	·24	+0·05	3	8·10	44.2343
2875	8·8	9 23·43	−0·02	1·8507	·000	−0·012	47 15 16·5	−0·1	10·726	·22	−0·05	3	8·14	47.1972
2876	8·8	8 9 29·25	...	+1·7672	−0·001	...	−49 8 43·6	...	−10·733	−0·21	...	3	9·17	49.1550
2877	9·6†	9 29·57	...	2·0029	+ ·001	...	43 27 22·5	...	10·734	·24	...	4	6·23	43.2317
2878	9·3	9 30·20	...	1·9672	·001	...	44 23 41·4	...	10·734	·24	...	3	8·16	44.2347
2879	8·5	9 33·88	−0·03	2·0732	·001	−0·010	41 31 3·5	−0·1	10·739	·25	−0·05	4	7·11	41.2251
2880	9·4	9 50·59	−0·01	2·0936	·001	−0·003	40 57 23·5	+0·1	10·760	·25	+0·02	4	7·19	40.2251

2848. $9^m·5, 10^m·0$ $0''·9\pm$ $190°\pm$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2881	9·0	8 9 55·83	...	+1·7115	−0·001	...	−50 21 36·4	...	−10·766	−0·21	...	3	9·14	50.1514
2882	9·0*	9 56·24	−0·02	2·0429	+ ·001	−0·008	42 23 52·5	+0·1	10·767	·25	+0·04	4	7·18	42.2223
2883	9·2†	10 12·38	...	2·1136	·002	...	40 23 49·9	...	10·786	·26	...	4	6·69	40.2255
2884	9·3	10 17·82	−0·08	2·0877	·001	−0·028	41 9 45·7	−0·2	10·793	·25	−0·06	4	7·21	41.2267
2885	9·4	10 23·55	−0·01	1·9401	·001	−0·005	45 9 36·0	+0·2	10·800	·23	+0·08	3	8·11	45.2273
2886	8·7	8 10 23·86	−0·01	+1·8157	0·000	−0·007	−48 8 31·8	0·0	−10·800	−0·22	−0·04	3	9·13	48.1561
2887	5·8*	10 28·41	−0·01	1·8782	·000	−0·006	46 41 18·6	−0·1	10·806	·23	−0·04	3	8·12	46.2281
2888	9·3	10 30·05	...	1·6603	− ·002	...	51 26 25·6	...	10·808	·20	...	3	9·17	51.1396
2889	9·0	10 32·63	−0·04	2·0836	+ ·001	−0·010	41 18 5·5	+0·1	10·811	·25	+0·03	4	6·45	41.2275
2890	9·8	10 35·84	...	2·0005	·001	...	43 36 18·7	...	10·815	·24	...	4	7·13	43.2337
2891	8·3	8 11 10·70	−0·01	+1·7832	−0·001	−0·007	−48 55 47·5	0·0	−10·858	−0·21	−0·04	3	9·13	48.1569
2892	9·0*	11 18·84	−0·02	2·0691	+ ·001	−0·007	41 46 38·9	+0·2	10·868	·25	+0·07	5	6·78	41.2300
2893	8·8	11 37·57	−0·01	2·1266	·002	−0·004	40 7 37·7	−0·1	10·891	·26	−0·04	5	7·13	40.2289
2894	7·3	11 40·93	−0·01	1·9032	·001	−0·007	46 10 49·1	0·0	10·895	·23	0·00	3	8·10	46.2306
2895	9·2*	12 2·76	−0·05	2·0588	·001	−0·013	42 7 33·5	+0·1	10·922	·25	+0·02	5	6·19	42.2277
2896	7·0	8 12 30·32	0·00	+1·7318	−0·001	−0·004	−50 8 30·1	0·0	−10·955	−0·21	−0·01	3	9·13	50.1527
2897	7·2	12 40·07	0·00	1·6531	·002	−0·002	51 45 4·1	−0·1	10·967	·20	−0·06	3	9·15	51.1409
2898	7·9	12 42·21	0·00	1·7540	·001	−0·006	49 41 7·2	0·0	10·970	·21	−0·01	3	9·19	49.1574
2899	8·8	12 43·88	−0·01	1·6769	·002	−0·007	51 17 9·8	0·0	10·972	·20	0·00	3	9·19	51.1411
2900	9·1	12 44·01	−0·02	1·9959	+ ·001	−0·006	43 54 13·4	+0·1	10·972	·24	+0·04	5	6·95	43.2397
2901	9·5	8 13 2·43	−0·02	+2·0678	+0·001	−0·006	−41 57 5·6	+0·2	−10·995	−0·25	+0·07	5	6·76	41.2322
2902	8·5	13 20·11	−0·01	1·9261	·001	−0·007	45 44 59·0	0·0	11·016	·23	0·00	3	8·10	45.2328
2903	9·9	13 23·67	...	1·7054	− ·001	...	50 45 41·3	...	11·020	·20	...	3	9·15	50.1529
2904	8·8	13 26·66	...	1·9454	+ ·001	...	45 16 17·5	...	11·024	·23	...	3	8·11	45.2330
2905	9·0	13 36·02	0·00	1·8277	·000	−0·003	48 7 36·6	+0·1	11·035	·22	+0·11	3	9·12	48.1585
2906	9·2†	8 13 36·77	...	+2·0398	+0·001	...	−42 47 1·1	...	−11·036	−0·24	...	5	6·42	42.2311
2907	8·9	13 41·67	...	1·8148	·000	...	48 25 44·9	...	11·042	·22	...	3	9·15	48.1587
2908	9·0	13 57·98	−0·03	2·1138	·002	−0·009	40 41 51·0	0·0	11·062	·25	+0·01	5	6·57	40.2325
2909	8·6	14 6·38	−0·01	1·9629	·001	−0·006	44 52 39·4	+0·1	11·072	·23	+0·05	3	8·14	44.2444
2910	8·3	14 6·40	−0·01	1·8626	·000	−0·007	47 21 18·3	−0·1	11·072	·22	−0·04	3	8·11	47.2044
2911	8·8	8 14 8·32	0·00	+2·0222	+0·001	−0·001	−43 18 28·1	+0·2	−11·075	−0·24	+0·07	4:5	7·16:6·98	43.2420
2912	9·1	14 10·78	−0·02	2·0904	·002	−0·006	41 23 47·8	+0·1	11·078	·25	+0·05	5	7·17	41.2337
2913	7·8	14 14·40	0·00	1·8521	·000	0·000	47 36 33·8	0·0	11·082	·22	0·00	3	8·11	47.2050
2914	9·5*	14 35·43	−0·01	2·0777	·002	−0·004	41 47 50·2	0·0	11·108	·25	0·00	4	6·44	41.2351
2915	9·3	14 48·87	+0·02	1·9894	·001	+0·009	44 14 44·3	−0·2	11·124	·24	−0·09	3	8·13	44.2458
2916	7·9	8 14 52·30	−0·01	+1·8893	0·000	−0·005	−46 46 47·1	0·0	−11·128	−0·22	0·00	3	8·14	46.2383
2917	9·2	14 58·84	...	1·9481	+ ·001	...	45 19 52·1	...	11·136	·23	...	3	8·13	45.2354
2918	9·8	15 6·16	...	1·8089	·000	...	48 40 35·6	...	11·145	·21	...	3	9·11	48.1603
2919	9·0	15 16·78	−0·03	2·0896	·002	−0·010	41 30 48·4	−0·1	11·158	·25	−0·03	5	6·58	41.2359
2920	9·0	15 25·40	−0·03	2·0574	·001	−0·010	42 26 22·9	+0·1	11·168	·24	+0·04	5	7·14	42.2348

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2921	7·4*	8 15 27·13	−0·05	+2·0656	+0·001	−0·012	−42 12 46·6	−0·1	−11·170	−0·25	−0·02	5	6·18	42.2350
2922	9·2	15 41·11	−0·02	1·9733	·001	−0·008	44 44 23·1	0·0	11·187	·23	−0·01	3	8·11	44.2476
2923	9·0	15 51·98	−0·01	2·0145	·001	−0·003	43 39 41·9	+0·2	11·200	·24	+0·06	4	7·19	43.2452
2924	8·3	15 56·21	−0·01	1·9291	·001	−0·007	45 53 26·3	0·0	11·206	·23	−0·02	3	8·13	45.2374
2925	7·3	16 1·05	−0·01	1·8470	·000	−0·003	47 53 1·0	0·0	11·211	·22	−0·02	3	8·16	47.2079
2926	9·2*	8 16 2·37	−0·04	+2·0726	+0·002	−0·011	−42 3 47·5	+0·1	−11·213	−0·25	+0·04	5	6·61	41.2376
2927	9·5	16 10·57	...	1·7149	− ·001	...	50 47 27·7	...	11·223	·20	...	3	9·11	50.1545
2928	8·5	16 24·61	0·00	1·9214	+ ·001	−0·001	46 7 24·8	−0·1	11·240	·23	−0·06	3	8·16	46.2405
2929	8·5	16 30·08	−0·01	1·7365	− ·001	−0·008	50 22 10·1	0·0	11·246	·20	+0·05	3	9·13	50.1548
2930	7·9	16 43·65	−0·02	2·0859	+ ·002	−0·006	41 44 32·2	−0·2	11·263	·25	−0·05	5	6·76	41.2390
2931	7·0	8 16 46·17	−0·01	+1·7907	0·000	−0·009	−49 13 15·7	0·0	−11·266	−0·21	+0·01	3	9·15	49.1597
2932	9·0	16 55·15	−0·01	1·8827	·000	−0·004	47 6 43·8	−0·1	11·277	·22	−0·04	3	8·13	47.2102
2933	8·5	16 58·01	−0·01	1·8423	·000	−0·009	48 4 16·6	0·0	11·280	·22	0·00	3	9·16	47.2105
2934	9·3	17 8·16	−0·05	2·1087	+ ·002	−0·015	41 6 37·4	+0·2	11·292	·25	+0·07	6	6·82	41.2397
2935	7·3	17 10·55	−0·01	1·6780	− ·002	−0·006	51 37 35·5	0·0	11·295	·20	+0·05	3	9·12	51.1429
2936	8·1	8 17 13·34	−0·01	+1·9018	+0·001	−0·003	−46 40 31·4	−0·1	−11·299	−0·22	−0·03	3	8·15	46.2419
2937	8·0	17 43·23	−0·02	2·0814	·002	−0·005	41 57 18·2	0·0	11·335	·25	−0·01	4:5	6·62:6·55	41.2405
2938	7·5	18 3·11	−0·01	2·1438	·002	−0·002	40 8 8·0	−0·4	11·358	·25	−0·11	9	6·33	40.2383
2939	8·6	18 7·23	−0·01	1·9838	·001	−0·007	44 40 15·6	0·0	11·363	·23	−0·02	3	8·13	44.2522
2940	8·8	18 10·88	0·00	1·7020	− ·001	−0·003	51 13 30·7	0·0	11·368	·20	0·00	3	9·11	51.1436
2941	9·0	8 18 14·97	0·00	+2·0013	+0·001	+0·001	−44 13 13·3	+0·2	−11·372	−0·24	+0·10	3	8·15	44.2525
2942	9·0	18 20·00	−0·04	2·0132	·001	−0·012	43 54 28·6	+0·2	11·379	·24	+0·07	5	6·94	43.2496
2943*	8·1	18 35·23	−0·02	2·1276	·002	−0·006	40 40 20·7	−0·1	11·397	·25	−0·02	6	7·00	40.2395
2944	9·5	18 39·76	...	1·7169	− ·001	...	50 57 33·2	...	11·402	·20	...	3	9·13	50.1567
2945	8·3	19 4·94	−0·01	1·8758	·000	−0·004	47 27 45·1	0·0	11·433	·22	0·00	3	8·14	47.2142
2946	8·7	8 19 6·18	−0·02	+1·9560	+0·001	−0·010	−45 28 40·9	−0·1	−11·434	−0·23	−0·06	3	8·14	45.2435
2947*	5·7*	19 27·10	0·00	1·8472	·000	−0·002	48 10 9·3	0·0	11·459	·22	−0·01	3	9·13	48.1642
2948	7·5*	19 31·88	−0·03	2·0534	·002	−0·008	42 54 22·2	0·0	11·465	·24	0·00	4:5	6·42:6·39	42.2416
2949	7·9	19 34·65	−0·01	1·8233	·000	−0·006	48 43 48·3	0·0	11·468	·21	+0·04	3	9·14	48.1644
2950	9·0	19 38·85	−0·02	1·9063	·001	−0·009	46 46 23·0	−0·1	11·473	·22	−0·05	3	8·13	46.2465
2951	8·5	8 19 45·98	−0·02	+2·0626	+0·002	−0·006	−42 39 52·3	0·0	−11·482	−0·24	−0·01	5	6·95	42.2422
2952	9·3	19 57·43	...	2·1186	·002	...	41 3 26·7	...	11·495	·25	...	4	6·69	40.2429
2953	8·8	19 59·37	0·00	1·7805	·000	−0·003	49 43 5·9	0·0	11·498	·21	−0·03	3	9·15	49.1609
2954	8·3	20 11·46	−0·01	1·9670	·001	−0·006	45 17 22·0	0·0	11·512	·23	+0·02	3	8·13	45.2461
2955	9·3	20 14·01	...	2·0374	·002	...	43 24 45·0	...	11·515	·24	...	4	7·23	43.2525
2956	8·0	8 20 18·00	−0·01	+2·0975	+0·002	−0·005	−41 42 37·1	−0·1	−11·520	−0·25	−0·03	4	7·23	41.2472
2957	8·5	20 26·43	0·00	2·0799	·002	0·000	42 13 53·2	−0·1	11·530	·24	−0·05	4	7·15	42.2433
2958	9·3	20 32·95	0·00	1·7556	− ·001	−0·004	50 18 22·4	0·0	11·538	·20	−0·02	3	9·13	50.1582
2959	9·2	20 42·51	−0·01	2·0107	+ ·001	−0·006	44 10 51·9	+0·2	11·549	·23	+0·10	3	8·13	44.2578
2960	8·4	20 49·09	−0·01	1·9836	·001	−0·005	44 54 42·5	0·0	11·557	·23	−0·02	3	8·13	44.2582

2943. $8^m·8, 8^m·9$ 1″·7 303° Mass observed.

2947. $5^m·9, 7^m·7$ 1″± 142± Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
2961	8·0*	8 20 52·68	−0·02	+2·1166	+0·002	−0·005	−41 11 57·8	+0·1	−11·561	−0·25	+0·04	10	6·31	41.2484
2962	7·5	21 0·98	0·00	2·1429	·002	−0·001	40 25 20·6	−0·2	11·571	·25	−0·06	5:6	7·16:7·01	40.2452
2963	8·6	21 1·10	−0·01	1·8122	·000	−0·012	49 6 19·2	0·0	11·571	·21	0·00	3	9·14	49.1616
2964	8·4	21 5·72	−0·01	1·9593	·001	−0·007	45 34 14·2	−0·1	11·577	·23	−0·05	3	8·11	45.2478
2965	9·3	21 23·84	...	1·8851	·001	...	47 26 37·1	...	11·598	·22	...	3	8·16	47.2196
2966	8·5*	8 21 41·46	−0·02	+2·0554	+0·002	−0·007	−43 2 19·3	0·0	−11·619	−0·24	+0·01	5	7·18	42.2458
2967	8·3	22 0·76	0·00	1·8283	·000	+0·004	48 49 50·3	0·0	11·642	·21	−0·05	3	9·13	48.1667
2968	8·3	22 17·07	−0·01	1·9345	·001	−0·005	46 18 26·2	0·0	11·662	·22	0·00	3	8·09	46.2508
2969	8·5*	22 35·46	0·00	2·0347	·002	−0·001	43 41 40·5	+0·3	11·683	·24	+0·09	5	6·15	43.2566
2970	9·0*	22 50·31	−0·02	2·1599	·002	−0·006	40 3 33·1	+0·4	11·701	·25	+0·10	5	6·23	39.2401
2971	8·0	8 23 1·86	−0·01	+1·8634	0·000	−0·006	−48 6 18·6	0·0	−11·715	−0·22	−0·01	3	9·13	48.1676
2972	9·3	23 9·08	...	1·7014	− ·001	...	51 39 47·8	...	11·723	·20	...	3	9·13	51.1469
2973	7·8	23 14·95	0·00	1·8782	+ ·001	0·000	47 46 17·4	−0·1	11·730	·22	−0·04	3	8·09	47.2234
2974	7·3	23 33·88	0·00	1·8195	·000	−0·002	49 10 4·3	0·0	11·752	·21	−0·01	3	9·15	49.1639
2975	9·0	23 34·42	0·00	1·9068	·001	−0·001	47 6 34·0	+0·1	11·753	·22	+0·03	3	8·11	47.2240
2976	7·8	8 23 41·44	...	+1·8436	0·000	...	−48 37 34·7	...	−11·761	−0·21	...	3	9·18	48.1686
2977	8·5*	23 42·37	−0·04	2·1263	+ ·002	−0·010	41 9 25·5	0·0	11·762	·25	+0·01	5	6·21	41.2541
2978	8·8	24 0·43	+0·01	1·9995	·001	+0·004	44 46 31·5	+0·1	11·784	·23	+0·06	3	8·13	44.2632
2979	7·7	24 7·31	−0·01	1·7472	− ·001	−0·008	50 47 51·6	0·0	11·792	·20	+0·03	3	9·12	50.1612
2980	8·3	24 8·24	−0·01	2·0180	+ ·002	−0·006	44 17 23·7	+0·1	11·793	·23	+0·05	3	8·13	44.2635
2981	9·5	8 24 9·57	...	+1·9607	+0·001	...	−45 48 28·0	...	−11·795	−0·23	...	3	8·12	45.2533
2982	9·9†	24 19·14	...	2·0775	·002	...	42 38 44·2	...	11·806	·24	...	5	6·22	42.2529
2983	9·0*	24 40·64	−0·03	2·1177	·002	−0·008	41 30 9·3	+0·2	11·831	·24	+0·05	5	6·23	41.2569
2984	8·8	24 41·23	...	1·7769	·000	...	50 12 40·3	...	11·832	·20	...	3	9·14	50.1617
2985	7·5*	24 43·96	−0·01	2·1045	·002	−0·003	41 53 56·5	+0·3	11·835	·24	+0·08	4:5	6·43:6·40	41.2572
2986	8·0	8 24 50·81	0·00	+1·7978	0·000	−0·004	−49 46 5·5	0·0	−11·843	−0·21	0·00	3	9·15	49.1653
2987	8·8	25 1·51	−0·02	1·9027	+ ·001	−0·009	47 20 28·5	+0·1	11·856	·22	+0·06	3	8·11	47.2268
2988	8·5	25 11·30	−0·01	1·9324	·001	−0·006	46 37 21·3	0·0	11·867	·22	0·00	3	8·12	46.2557
2989	6·5*	25 22·66	−0·02	2·0944	·002	−0·005	42 15 15·8	−0·1	11·881	·24	−0·02	5	6·20	42.2551
2990	9·1	25 29·95	−0·02	1·9810	·001	−0·012	45 24 6·7	−0·2	11·889	·23	−0·08	3	8·12	45.2559
2991	8·5*	8 25 38·04	−0·02	+2·0371	+0·002	−0·004	−43 54 18·7	+0·2	−11·899	−0·23	+0·06	5	6·21	43.2633
2992	8·8	25 40·44	−0·01	1·7344	− ·001	−0·016	51 12 23·8	+0·1	11·901	·20	+0·10	3	9·12	51.1497
2993	7·9	25 43·89	−0·01	1·8841	+ ·001	−0·004	47 51 24·9	0·0	11·905	·22	−0·02	3	8·11	47.2289
2994	8·0*	26 3·94	−0·01	2·1324	·002	−0·003	41 11 24·5	−0·1	11·929	·24	−0·02	4:5	6·25	41.2599
2995	8·5	26 9·72	+0·02	2·0710	·002	+0·006	42 59 55·6	−0·1	11·936	·24	−0·04	5	6·78	42.2571
2996	9·0	8 26 12·32	−0·05	+2·1238	+0·002	−0·016	−41 27 17·9	+0·2	−11·939	−0·24	+0·05	6	6·85	41.2600
2997	9·1	26 21·08	...	1·8579	·000	...	48 32 6·6	...	11·949	·21	...	3	9·14	48.1720
2998	7·0	26 29·67	−0·01	1·9617	·001	−0·005	45 59 47·9	0·0	11·959	·22	−0·01	3	8·11	45.2576
2999	8·8	26 34·90	...	2·0056	·002	...	44 51 3·2	...	11·965	·23	...	3	8·10	44.2678
3000	8·5*	26 52·91	−0·02	2·0790	·002	−0·006	42 50 19·7	+0·4	11·986	·24	+0·11	5	6·20	42.2591

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3001	7·5*	8 26 57·57	−0·03	+2·1681	+0·002	−0·007	−40 10 30·5	0·0	−11·992	−0·25	+0·01	5:6	6·23	40.2570
3002	8·7	27 16·53	0·00	1·7147	− ·001	−0·002	51 45 42·5	−0·1	12·014	·20	−0·08	3	9·12	51.1501
3003	7·5	27 18·95	0·00	1·7608	·001	+0·001	50 47 55·4	0·0	12·017	·20	+0·03	3	9·15	50.1635
3004	9·9†	27 59·97	...	2·1077	+ ·002	...	42 6 24·3	...	12·064	·24	...	5	6·17	42.2621
3005	8·8	28 1·97	−0·01	1·8511	·000	−0·007	48 50 52·9	0·0	12·067	·21	−0·04	3	9·15	48.1743
3006	8·7	8 28 15·25	−0·01	+2·0397	+0·002	−0·006	−44 4 39·0	+0·2	−12·082	−0·23	+0·09	3	8·09	43.2674
3007	8·3	28 15·37	−0·01	1·8707	·001	−0·017	48 24 38·1	0·0	12·082	·21	+0·01	3	9·13	48.1745
3008	7·5	28 26·32	0·00	1·9332	·001	−0·001	46 54 7·6	0·0	12·095	·22	+0·01	5:4	8·15	46.2624
3009	9·0*	28 26·72	−0·02	2·1142	·002	−0·006	41 57 18·6	+0·2	12·096	·24	+0·05	5	6·23	41.2651
3010	8·5	28 27·52	...	1·9768	·001	...	45 47 15·3	...	12·097	·23	...	3	8·11	45.2611
3011	8·8	8 28 31·10	0·00	+1·7416	−0·001	−0·002	−51 18 51·3	0·0	−12·101	−0·20	−0·01	3	9·15	51.1508
3012	9·5*	29 6·14	−0·08	2·1697	+ ·002	−0·022	40 19 28·8	−0·2	12·141	·25	−0·06	5	6·19	40.2604
3013	8·5*	29 16·51	0·00	2·0565	·002	0·000	43 42 11·9	+0·6	12·153	·23	+0·16	5:6	6·44:6·41	43.2695
3014	7·3	29 19·59	0·00	1·8387	·000	−0·004	49 15 38·8	0·0	12·157	·21	−0·02	3	9·14	49.1689
3015	8·8	29 21·86	0·00	1·8115	·000	−0·005	49 52 44·8	0·0	12·160	·20	0·00	3	9·17	49.1690
3016	7·4	8 29 41·40	−0·01	+1·9235	+0·001	−0·006	−47 15 51·2	−0·1	−12·182	−0·22	−0·03	3	8·09	47.2380
3017	7·0	29 42·33	−0·02	1·9956	·002	−0·008	45 24 41·1	0·0	12·183	·23	0·00	3	8·11	45.2631
3018	8·0†	29 42·62	...	2·0707	·002	...	43 20 37·8	...	12·184	·23	...	5	6·21	43.2706
3019	9·7	29 45·66	...	1·9609	·001	...	46 19 33·9	...	12·187	·22	...	3	8·14	46.2650
3020	9·1	29 53·06	...	1·8912	·001	...	48 4 26·2	...	12·196	·21	...	3	9·13	47.2384
3021	7·3*	8 29 54·09	−0·03	+2·1415	+0·002	−0·009	−41 16 13·5	−0·6	−12·197	−0·24	−0·17	5	6·41	41.2680
3022	9·0	30 5·40	...	2·1034	·002	...	42 25 53·6	...	12·210	·24	...	5:6	6·76:6·68	42.2670
3023	8·8	30 7·82	...	2·1083	·002	...	42 17 26·3	...	12·213	·24	...	5	7·18	42.2672
3024	9·3	30 13·23	...	2·1691	·002	...	40 27 4·0	...	12·219	·25	...	5:4	7·02:6·97	40.2620
3025	8·2*	30 19·81	−0·01	2·0278	·002	−0·004	44 36 12·3	+0·1	12·227	·23	+0·04	3	8·12	44.2740
3026	7·5	8 30 39·97	−0·02	+2·1279	+0·002	−0·005	−41 45 30·4	−0·2	−12·250	−0·24	−0·05	6	6·71	41.2698
3027	8·1	30 43·79	0·00	2·0437	·002	−0·001	44 12 4·3	0·0	12·254	·23	+0·02	3	8·10	44.2751
3028	7·0	31 10·16	−0·01	2·0551	·002	−0·003	43 55 30·5	−0·1	12·285	·23	−0·04	11	6·58	43.2729
3029	9·0*	31 30·43	−0·03	2·1816	·002	−0·007	40 10 37·8	−0·3	12·308	·25	−0·09	6	6·36	40.2656
3030	9·5	31 57·34	...	2·0922	·002	...	42 56 33·0	...	12·339	·24	...	6	7·16	42.2709
3031	7·8*	8 32 5·56	−0·02	+2·1172	+0·002	−0·005	−42 12 51·8	−0·1	−12·348	−0·24	−0·02	5:6	6·20:6·21	42.2714
3032	8·8	32 21·65	−0·01	1·8188	·000	−0·008	50 0 3·8	0·0	12·367	·20	+0·02	5	9·17	49.1722
3033	7·7	32 27·19	−0·01	1·7517	− ·001	−0·007	51 28 26·9	0·0	12·373	·20	+0·04	3	9·12	51.1536
3034	9·3	32 34·05	...	1·8696	+ ·001	...	48 50 54·3	...	12·381	·21	...	3	9·15	48.1794
3035	7·8	32 44·32	−0·01	1·9786	·002	−0·006	46 9 15·5	0·0	12·393	·22	−0·02	3	8·10	46.2707
3036	6·5*	8 32 52·90	0·00	+1·7931	−0·000	−0·004	−50 37 20·9	0·0	−12·403	−0·20	−0·02	3	9·19	50.1666
3037	9·0	32 59·28	−0·01	2·0159	+ ·002	−0·007	45 4 38·5	−0·1	12·410	·23	0·05	3	8·11	44.2805
3038	8·0	33 26·68	−0·02	1·9426	·001	−0·009	47 9 5·4	0·0	12·441	·22	0·02	3	8·12	47.2443
3039	7·6	33 30·51	0·00	1·9229	·001	−0·002	47 38 59·8	0·0	12·446	·21	0·02	3	8·15	47.2444
3040	8·8	33 32·20	...	1·7377	− ·001	...	51 52 12·9	...	12·448	·19	...	3	9·12	51.1544

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3041	9·1	8 33 46·86	0·00	+1·8542	+0·001	−0·004	−49 19 41·1	0·0	−12·465	−0·21	0·00	3	9·14	49.1738
3042	8·9†	33 47·69	...	2·1573	·003	...	41 9 36·8	...	12·465	·24	...	5	6·15	41.2756
3043	8·5	33 56·34	0·00	2·0313	·002	0·000	44 51 27·4	0·0	12·475	·23	+0·01	3	8·11	44.2824
3044	8·7	33 59·35	0·00	1·9565	·001	0·000	46 50 57·3	−0·1	12·479	·22	−0·04	3	8·14	46.2738
3045	8·6	34 7·96	−0·01	1·8881	·001	−0·009	48 33 43·3	+0·1	12·489	·21	+0·09	3	9·16	48.1809
3046	7·8*	8 34 14·84	−0·02	+2·1324	+0·002	−0·004	−41 58 10·8	+0·1	−12·496	−0·24	+0·03	5	6·19	41.2766
3047	7·5	34 20·66	−0·01	1·9931	·002	−0·003	45 55 56·7	0·0	12·503	·22	−0·02	5	8·13	45.2742
3048	9·0†	34 20·74	...	2·1496	·003	...	41 27 18·5	...	12·503	·24	...	5	6·24	41.2767
3049	9·0	34 29·98	0·00	2·0593	·002	−0·002	44 8 6·4	+0·2	12·514	·23	+0·12	3	8·14	44.2837
3050	7·9	34 52·72	−0·01	1·8416	·000	−0·008	49 43 48·1	0·0	12·540	·20	+0·02	3	9·12	49.1747
3051	9·5	8 34 54·73	...	+1·9364	+0·001	...	−47 27 8·2	...	−12·542	−0·21	...	3	8·11	47.2471
3052	9·0	35 7·22	−0·04	2·1594	·003	−0·011	41 13 39·6	0·0	12·556	·24	+0·01	5	6·60	41.2776
3053	8·5	35 7·29	−0·01	2·1311	·003	−0·004	42 5 41·9	0·0	12·556	·24	−0·01	5:6	6·61:6·55	42.2771
3054	7·9	35 13·26	−0·01	2·0096	·002	−0·005	45 34 33·4	−0·2	12·563	·22	−0·12	3	8·13	45.2761
3055	8·5	35 16·62	0·00	1·8245	·000	−0·004	50 9 22·8	0·0	12·567	·20	+0·02	3	9·16	50.1691
3056	8·8	8 35 20·50	−0·01	+1·9780	+0·002	−0·004	−46 25 47·1	−0·1	−12·571	−0·22	−0·03	3	8·12	46.2765
3057	9·0*	35 22·59	−0·02	2·0878	·002	−0·004	43 24 23·8	+0·4	12·573	·23	+0·11	5	6·17	43.2823
3058	8·2	35 45·00	0·00	1·7922	·000	−0·003	50 55 18·1	0·0	12·599	·20	−0·03	5	9·16	50.1696
3059	9·4	35 57·50	...	1·7736	·000	...	51 20 56·4	...	12·613	·20	...	3	9·12	51.1562
3060	8·6	36 23·68	−0·02	2·0562	·002	−0·010	44 24 45·5	+0·2	12·643	·23	+0·08	3	8·11	44.2883
3061	7·0*	8 36 47·44	−0·04	+2·1387	+0·003	−0·010	−42 2 4·8	+0·2	−12·670	−0·24	+0·04	5	6·17	41.2821
3062	8·0	37 0·65	0·00	1·9193	·001	−0·005	48 5 26·9	0·0	12·685	·21	+0·01	3	9·12	48.1851
3063	7·8*	37 8·42	−0·01	2·1414	·003	−0·003	41 59 5·6	−0·3	12·693	·24	−0·08	10	6·70	41.2832
3064	6·5*	37 10·77	0·00	2·0440	·002	0·000	44 50 6·8	0·0	12·696	·22	0·00	3	8·11	44.2907
3065	9·0*	37 16·77	−0·04	2·1203	·003	−0·011	42 38 5·4	+0·4	12·703	·23	+0·10	5	6·23	42.2806
3066	9·2	8 37 25·66	...	+2·1713	+0·003	...	−41 5 11·0	...	−12·713	−0·24	...	4:5	6·96:6·82	40.2757
3067	8·8	37 46·76	−0·01	1·9616	·002	−0·006	47 6 14·9	−0·1	12·737	·22	−0·06	3	8·11	47.2530
3068	9·2	37 52·23	0·00	1·8579	·001	+0·002	49 38 54·3	0·0	12·743	·20	−0·04	3	9·14	49.1772
3069	6·5*	37 54·98	0·00	1·9036	·001	−0·004	48 33 56·5	0·0	12·746	·21	+0·01	3	9·12	48.1862
3070	5·0*	37 56·36	−0·01	1·9677	·002	−0·004	46 57 36·8	0·0	13·747	·22	−0·01	3	8·13	46.2819
3071	9·0	8 38 7·42	−0·02	+2·0807	+0·002	−0·006	−43 53 36·7	+0·2	−12·760	−0·23	+0·05	4:5	6·46:6·42	43.2874
3072	8·5*	38 26·36	−0·02	2·1375	·003	−0·005	42 14 23·2	+0·1	12·781	·23	+0·02	5	6·19	42.2830
3073	6·0*	38 32·76	−0·01	2·0413	·002	−0·003	45 3 8·3	0·0	12·788	·22	−0·02	3	8·11	44.2936
3074	9·1†	38 42·47	...	2·2029	·003	...	40 12 20·9	...	12·799	·24	...	5	6·21	40.2785
3075	6·0	39 2·02	−0·01	1·9416	·002	−0·006	47 44 23·7	0·0	12·821	·21	−0·02	3	8·15	47.2578
3076	8·4	8 39 2·50	−0·01	+2·0002	+0·002	−0·003	−46 13 12·3	0·0	−12·821	−0·22	0·00	3	8·11	46.2852
3077	9·7	39 23·21	...	1·8941	·001	...	48 56 48·6	...	12·845	·21	...	3	9·12	48.1877
3078	8·5	39 28·74	+0·01	2·0954	·003	+0·002	43 36 14·0	+0·1	12·851	·23	+0·03	4:5	6·70:6·61	43.2897
3079	9·0†	39 31·70	...	2·1649	·003	...	41 30 14·0	...	12·854	·24	...	5	6·24	41.2873
3080	9·0	39 36·90	−0·02	2·1179	·003	−0·006	42 57 13·8	+0·3	12·860	·23	+0·09	4	7·22	42.2857

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3081	8·8	8 39 53·54	...	+1·7937	0·000	...	−51 18 25·8	...	−12·879	−0·19	...	3	9·14	51.1588
3082	7·9	40 0·94	−0·02	1·9572	+ ·002	−0·009	47 26 45·1	0·0	12·887	·21	−0·02	3	8·11	47.2618
3083	9·3	40 13·47	−0·01	1·8211	·000	−0·007	50 44 4·2	0·0	12·901	·20	+0·05	3	9·19	50.1741
3084	8·8	40 14·28	...	2·0227	·002	...	45 44 23·5	...	12·902	·22	...	3	8·11	45.2907
3085	9·0*	40 15·96	−0·05	2·1868	·003	−0·013	40 53 11·5	+0·1	12·904	·24	+0·02	5	6·18	40.2807
3086	9·2	8 40 16·20	−0·03	+2·0575	+0·002	−0·018	−44 46 31·4	+0·2	−12·904	−0·22	+0·12	3	8·15	44.2980
3087	9·3	40 18·62	−0·01	2·1146	·003	−0·002	43 7 24·4	0·0	12·907	·23	−0·01	5	7·21	43.2909
3088	8·0	40 25·32	0·00	1·7711	·000	−0·003	51 50 51·7	0·0	12·914	·19	+0·04	3	9·12	51.1591
3089	6·0*	40 32·50	0·00	1·8776	·001	−0·001	49 27 39·1	0·0	12·922	·20	0·00	3	9·19	49.1793
3090	7·2	40 46·58	0·00	1·8432	·001	+0·002	50 17 25·6	−0·1	12·938	·20	−0·12	3	9·14	50.1748
3091	7·6	8 40 51·00	−0·01	+1·9872	+0·002	−0·003	−46 45 13·2	0·0	−12·943	−0·22	−0·02	3	8·13	46.2902
3092	8·5*	40 55·78	−0·02	2·1742	·003	−0·005	41 21 30·4	+0·3	12·948	·24	+0·07	5	6·21	41.2901
3093	7·5*	41 10·26	0·00	2·1460	·003	0·000	42 15 46·6	−1·2	12·964	·23	−0·33	4:5	6·31:6·26	42.2889
3094	8·3	41 16·03	−0·01	1·9554	·002	−0·007	47 37 21·8	−0·1	12·970	·21	−0·03	3	8·11	47.2652
3095	9·0	41 23·75	−0·03	2·1822	·003	−0·010	41 9 8·9	0·0	12·979	·24	0·00	5	7·00	41.2917
3096	7·5	8 41 24·25	−0·04	+2·0824	+0·003	−0·021	−44 10 57·1	+0·3	−12·980	−0·23	+0·14	3	8·12	44.3016
3097	8·8	42 1·39	0·00	1·9036	·001	−0·003	48 59 29·8	0·0	13·021	·21	−0·02	3	9·12	48.1903
3098	9·0	42 2·70	0·00	2·0082	·002	−0·001	46 19 19·1	+0·1	13·022	·22	+0·06	3	8·11	46.2938
3099	7·5*	42 17·83	−0·01	2·0960	·003	−0·002	43 52 58·1	−0·2	13·039	·23	−0·04	5	6·22	43.2946
3100	8·5*	42 18·47	0·00	2·1592	·003	−0·001	41 58 20·1	−0·1	13·040	·23	−0·03	5	6·16	41.2938
3101	9·5	8 42 33·95	...	+1·8335	+0·001	...	−50 41 45·4	...	−13·057	−0·20	...	3	9·14	50.1772
3102	8·5*	42 37·63	−0·02	2·2206	·003	−0·004	40 1 49·9	−0·2	13·061	·24	−0·06	4:5	6·24	39.2852
3103	8·3	42 45·67	0·00	1·9342	·002	+0·002	48 19 15·1	0·0	13·070	·21	−0·02	3	9·17	48.1917
3104	7·6	43 1·44	−0·01	1·9797	·002	−0·003	47 11 0·6	−0·1	13·087	·21	−0·03	3	8·10	47.2691
3105	7·4	43 38·08	−0·01	2·0726	·003	−0·007	44 42 25·3	−0·1	13·128	·22	−0·03	3	8·11	44.3075
3106	9·3	8 43 44·56	...	+1·7918	0·000	...	−51 44 55·6	...	−13·135	−0·19	...	3	9·12	51.1624
3107	7·3	43 55·22	−0·01	2·0353	+ ·002	−0·006	45 47 13·8	0·0	13·147	·22	−0·02	3	8·13	45.3048
3108	9·3	43 58·53	...	2·0581	·003	...	45 9 22·4	...	13·150	·22	...	3	8·14	45.3051
3109	6·9	44 1·97	−0·01	2·1844	·003	−0·003	41 21 41·2	−1·0	13·154	·23	−0·26	5	6·17	41.2972
3110	7·5*	44 11·12	−0·03	2·1679	·003	−0·008	41 54 14·4	−0·1	13·164	·23	−0·03	5	6·20	41.2975
3111	9·1	8 44 16·94	−0·01	+1·9979	+0·002	−0·005	−46 50 18·3	0·0	−13·170	−0·21	0·00	3	8·12	46.3017
3112	8·9	44 21·03	0·00	1·8803	·001	−0·002	49 47 57·8	0·0	13·175	·20	+0·02	3	9·14	49.1839
3113	9·2	44 27·88	−0·01	2·0918	·003	−0·003	44 14 28·7	+0·1	13·183	·22	+0·07	3	8·13	44.3091
3114	9·0	44 38·29	+0·01	2·1153	·003	+0·002	43 33 57·2	0·0	13·194	·23	−0·01	5	7·18	43.2999
3115	9·9†	44 38·46	...	2·1491	·003	...	42 32 22·4	...	13·194	·23	...	5	6·25	42.2967
3116	8·6	8 44 41·98	−0·01	+1·8199	0·000	−0·007	−51 13 49·2	+0·1	−13·198	−0·19	+0·06	3	9·14	51.1635
3117	7·0*	44 50·38	−0·01	1·9074	+ ·001	−0·006	49 12 11·2	−0·1	13·207	·20	−0·11	3	9·15	49.1844
3118	8·0	44 54·16	−0·02	2·1663	·003	−0·007	42 1 49·9	0·0	13·211	·23	−0·01	5	6·80	41.2999
3119	9·0	44 59·57	−0·01	2·0120	·002	−0·007	46 32 25·4	0·0	13·217	·21	−0·01	3	8·12	46.3039
3120	8·8	45 1·90	...	1·8521	·001	...	50 31 58·8	...	13·220	·20	...	3	9·20	50.1798

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	See. Var.	Proper Motion.	Mean Dec. 1900·0.	μ to 1900·0.	Precession 1900·0.	See. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3121	7·8	8 45 24·71	...	+1·9240	+0·002	...	−48 51 28·0	...	−13·245	−0·21	...	3	9·14	48.1941
3122	8·0*	45 47·40	−0·01	2·1382	·003	−0·003	42 59 56·7	−0·1	13·270	·23	−0·02	5	6·17	42.3001
3123	8·5*	45 50·63	−0·02	2·1503	·003	−0·004	42 38 1·6	+0·2	13·273	·23	+0·06	5	6·23	42.3002
3124	9·0	45 51·98	0·00	2·1959	·003	0·000	41 11 30·7	+0·3	13·275	·23	+0·09	5	6·58	41.3021
3125	8·3	46 5·23	−0·01	1·9949	·002	−0·005	47 6 59·8	0·0	13·289	·21	0·00	3	8·10	47.2765
3126	9·2	8 46 12·61	0·00	+1·9692	+0·002	−0·002	−47 48 9·5	−0·1	−13·297	−0·21	−0·05	3	8·13	47.2770
3127	6·0*	46 20·11	−0·01	2·0749	·003	−0·004	44 56 8·0	0·0	13·305	·22	0·00	5	8·13	44.3126
3128	7·5*	46 27·23	−0·03	2·1811	·003	−0·009	41 44 0·7	−0·3	13·313	·23	−0·08	5	6·23	41.3032
3129	8·5	46 30·41	−0·01	2·2271	·003	−0·002	40 13 46·9	+0·1	13·317	·24	+0·02	5	7·17	40.2905
3130	7·5*	46 56·25	−0·02	2·1443	·003	−0·005	42 56 19·9	0·0	13·345	·23	0·00	5	6·17	42.3033
3131	8·4	8 47 2·83	−0·01	+1·8750	+0·001	−0·006	−50 13 4·7	0·0	−13·352	−0·20	+0·04	3	9·12	50.1826
3132	9·0	47 5·19	0·00	1·9572	·002	+0·002	48 12 22·5	0·0	13·354	·21	+0·04	3	9·14	48.1966
3133*	5·5*	47 9·93	−0·01	2·0349	·003	−0·003	46 9 18·7	−0·1	13·360	·22	−0·04	3	8·10	46.3120
3134	8·0	47 24·49	0·00	1·8199	·001	−0·006	51 31 21·7	0·0	13·375	·19	−0·03	3	9·17	51.1669
3135	8·6	47 37·40	...	1·9100	·002	...	49 26 33·2	...	13·389	·20	...	3	9·21	49.1912
3136	9·1	8 47 39·54	...	+1·9874	+0·002	...	−47 29 26·9	...	−13·392	−0·21	...	3	8·12	47.2817
3137	9·1	47 43·59	0·00	2·1111	·003	0·000	44 2 8·1	+0·2	13·396	·22	+0·09	3	8·14	43.3056
3138	7·0*	47 50·61	−0·03	2·1734	·003	−0·008	42 7 46·4	+0·1	13·404	·23	+0·02	5	6·20	42.3055
3139	8·2	47 58·96	−0·01	2·0705	·003	−0·005	45 14 51·2	+0·3	13·413	·22	+0·16	3	8·15	45.3180
3140	7·0*	48 13·39	−0·02	2·2215	·003	−0·004	40 36 37·2	0·0	13·428	·23	−0·01	5	6·24	40.2929
3141	7·0*	8 48 17·83	−0·03	+2·1219	+0·003	−0·008	−43 46 29·5	−0·1	−13·433	−0·22	−0·03	5	6·61	43.3071
3142	9·4	48 29·01	−0·02	2·0143	·003	−0·009	46 51 47·3	−0·2	13·445	·21	−0·08	3	8·10	46.3154
3143	8·1	48 37·48	−0·01	2·0495	·003	−0·004	45 54 44·5	−0·1	13·455	·22	−0·07	3	8·11	45.3193
3144	9·8	48 52·47	...	2·1885	·003	...	41 45 53·4	...	13·471	·23	...	5	7·00	41.3097
3145	9·3	48 55·75	−0·01	1·8599	·001	−0·012	50 46 44·3	0·0	13·474	·20	+0·03	3	9·12	50.1854
3146	8·5*	8 49 6·39	−0·02	+2·2112	+0·004	−0·006	−41 3 9·7	−0·2	−13·486	−0·23	−0·07	5	6·60	40.2940
3147	9·3	49 10·96	...	1·9409	·002	...	48 51 25·5	...	13·491	·20	...	3	9·14	48.2002
3148	9·3	49 35·82	0·00	1·9696	·002	+0·005	48 10 15·9	0·0	13·518	·21	−0·03	3	9·17	48.2010
3149	8·9	49 48·11	...	2·1409	·003	...	43 22 27·7	...	13·531	·22	...	4	6·97	43.3102
3150	9·3	49 55·07	−0·05	2·2263	·004	−0·017	40 38 26·4	+0·2	13·538	·23	+0·07	4	6·97	40.2953
3151	9·1	8 49 55·54	−0·02	+2·0639	+0·003	−0·013	−45 39 23·6	−0·2	−13·539	−0·22	−0·10	3	8·10	45.3218
3152	8·0	50 1·88	−0·02	2·1487	·003	−0·006	43 9 13·3	0·0	13·545	·23	−0·01	13	6·44	43.3110
3153	7·5*	50 16·37	−0·02	2·2032	·004	−0·005	41 26 50·2	0·0	13·561	·23	−0·01	4	6·45	41.3112
3154	9·3	50 21·97	...	1·8263	·001	...	51 42 22·1	...	13·567	·19	...	3	9·14	51.1711
3155	7·5	50 22·17	0·00	2·1832	·004	−0·001	42 6 20·3	−0·1	13·567	·23	−0·02	4	7·18	42.3092
3156	6·0*	8 50 29·25	−0·01	+2·0125	+0·003	−0·004	−47 8 24·6	−0·1	−13·575	−0·21	−0·05	3	8·12	47.2886
3157	8·6	50 34·98	−0·02	2·0253	·003	−0·009	46 48 14·5	+0·1	13·581	·21	+0·04	3	8·15	46.3209
3158	8·6	50 43·29	0·00	1·8893	·001	−0·003	50 17 20·8	0·0	13·590	·20	+0·02	3	9·17	50.1875
3159	9·4	50 49·56	−0·02	2·0513	·003	−0·009	46 6 56·5	−0·1	13·597	·21	−0·03	3	8·12	46.3213
3160	9·1	50 53·86	0·00	1·9529	·002	−0·003	48 44 47·6	0·0	13·601	·20	+0·02	3	9·15	48.2043

3133. $5^m·5, 9^m·9$ 3″·1 82° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3161	8·1	8 50 55·81	−0·02	+2·0882	+0·003	−0·010	−45 4 24·5	0·0	−13·603	−0·22	+0·02	3	8·14	44.3213
3162	8·0	51 2·91	−0·01	1·8469	·001	−0·009	51 19 7·4	0·0	13·611	·19	0·00	3:4	9·22	51.1724
3163	9·3	51 4·48	−0·03	2·1233	·003	−0·016	44 2 53·7	+0·1	13·613	·22	+0·04	3	8·14	43.3134
3164	9·6†	51 16·74	...	2·1468	·004	...	40 6 12·8	...	13·626	·23	...	5	6·23	40.2977
3165	8·9	51 29·88	0·00	1·9259	·002	−0·004	49 29 22·6	−0·1	13·640	·20	−0·06	3	9·13	49.1990
3166	7·0	8 51 48·58	−0·01	+2·1057	+0·003	−0·004	−44 39 33·2	0·0	−13·660	−0·22	0·00	3	8·10	44.3226
3167	9·0*	53 6·69	−0·06	2·2001	·004	−0·016	41 52 27·9	−0·3	13·743	·23	−0·08	5	6·16	41.3162
3168	8·0	53 11·24	−0·01	2·1566	·004	−0·003	43 16 18·4	0·0	13·748	·22	−0·01	5	7·18	43.3172
3169*	7·5*	53 30·36	−0·01	2·1706	·004	−0·003	42 52 14·2	−0·1	13·768	·22	−0·03	5	6·20	42.3149
3170	7·3	53 44·13	0·00	1·9442	·002	−0·001	49 17 43·4	0·0	13·782	·20	−0·01	3	9·13	49.2038
3171	9·5	8 53 45·91	0·00	+1·9663	+0·002	−0·005	−48 44 13·3	0·0	−13·784	−0·20	0·00	3	9·13	48.2090
3172	8·0*	53 51·95	0·00	2·2302	·004	+0·001	40 57 51·6	−0·3	13·791	·23	−0·08	5	6·25	40.3013
3173	9·1	53 52·07	0·00	1·8556	·001	−0·004	51 26 10·7	0·0	13·791	·19	−0·03	3	9·19	51.1768
3174	8·0	54 0·03	0·00	1·8885	·002	−0·006	50 41 5·0	0·0	13·799	·19	+0·03	3	9·18	50.1929
3175	9·0	54 0·34	...	2·0025	·003	...	47 49 7·7	...	13·800	·21	...	3	8·10	47.2955
3176	8·3	8 54 13·67	−0·01	+2·1961	+0·004	−0·003	−42 8 17·5	0·0	−13·814	−0·23	+0·01	5	6·63	42.3174
3177	9·0	54 16·21	−0·03	2·1767	·004	−0·011	42 46 0·3	−0·1	13·816	·22	−0·04	5	6·97	42.3176
3178	7·8	54 18·45	0·00	1·9034	·002	−0·004	50 21 46·1	0·0	13·819	·20	−0·02	3	9·22	50.1936
3179	9·1	54 27·98	−0·01	2·1221	·004	−0·007	44 28 56·6	+0·1	13·829	·22	+0·03	3	8·11	44.3270
3180	8·5	54 32·30	0·00	2·0222	·003	+0·001	47 21 2 3	−0·1	13·833	·21	−0·06	3	8·13	47.2963
3181	6·5*	8 54 36·51	0·00	+1·9914	+0·003	−0·004	−48 11 9·3	0·0	−13·838	−0·20	−0·02	3	9·13	48.2101
3182	9·5	54 45·30	...	2·2174	·004	...	41 29 51·6	...	13·847	·23	...	5	6·99	41.3182
3183	9·0*	54 46·56	−0·02	2·2017	·004	−0·005	42 1 9·2	−0·5	13·849	·23	−0·12	5	6·20	41.3183
3184	8·9	54 48·41	−0·01	2·0784	·003	−0·004	45 48 39·5	−0·1	13·850	·21	−0·03	3	8·13	45.3294
3185	9·0	55 12·05	−0·02	2·1454	·004	−0·007	43 51 30·8	+0·1	13·875	·22	+0·04	5	7·21	43.3206
3186	8·9	8 55 14·71	0·00	+2·0606	+0·003	+0·002	−46 22 18·2	−0·1	−13·878	−0·21	−0·04	3	8·14	46.3295
3187	8·1	55 17·99	−0·01	1·9288	·002	−0·009	49 51 43·7	0·0	13·882	·20	+0·01	3	9·12	49.2063
3188	9·0*	55 20·63	0·00	2·1660	·004	0·000	43 14 3·2	0·0	13·884	·22	−0·01	5	7·22	43.3208
3189	9·0†	55 28·55	...	2·1823	·004		42 43 44·9	...	13·893	·22	...	5	6·20	42.3207
3190	6·0*	55 28·57	−0·02	2·0446	·003	−0·013	46 50 50·7	+0·1	13·893	·21	+0·03	3	8·12	46.3297
3191	7·8	8 56 1·33	−0·01	+2·0083	+0·003	−0·005	−47 54 3·9	−0·1	−13·927	−0·20	−0·04	5	8·12	47.2984
3192	9·4	56 11·33	...	2·1233	·004	...	44 39 4·1	...	13·938	·22	...	3	8·15	44.3289
3193	9·5	56 46·58	0·00	1·9714	·003	−0·002	48 57 53·4	0·0	13·975	·20	+0·01	5	9·15	48.2128
3194	9·5*	57 2·05	−0·03	2·1812	·004	−0·009	42 57 19·8	+0·4	13·991	·22	+0·10	5	6·17	42.3242
3195	8·4	57 23·39	−0·01	2·1086	·004	−0·005	45 14 22·0	0·0	14·013	·21	−0·01	3	8·11	45.3327
3196	7·5	8 57 29·49	−0·01	+1·8857	+0·002	−0·006	−51 9 48·8	0·0	−14·019	−0·19	−0·03	3	9·12	51.1811
3197	8·0	57 43·20	−0·02	2·0539	·003	−0·008	46 51 34·4	0·0	14·033	·21	−0·01	3	8·11	46.3324
3198	9 0	57 51·65	0·00	1·9055	·002	+0·001	50 44 12·8	+0·1	14·042	·19	+0·07	3	9·13	50 1988
3199	9·3	58 2·51	+0·01	1·9950	·003	+0·007	48 30 11·0	0·0	14·054	·20	+0·04	3	9·17	48.2157
3200	7·7	58 14·64	0·00	1·9697	·003	−0·003	49 11 8·3	0·0	14·066	·20	0·00	3	9·18	49.2105

3169. $7^m·7$, $9^m·3$ 3″·0 45° Probably mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3201	7·0*	8 58 19·79	−0·02	+2·2690	+0·004	−0·004	−40 9 39·1	−0·2	−14·072	−0·23	−0·04	5	6·18	40.3072
3202	8·7	58 26·91	0·00	1·9443	·002	−0·004	49 51 16·4	+0·1	14·079	·20	+0·12	3	9·15	49.2109
3203*	6·0*	58 38·21	0·00	1·8645	·002	−0·005	51 47 41·6	0·0	14·091	·19	+0·01	3	9·15	51.1821
3204	8·5*	58 49·47	−0·01	2·1686	·004	−0·002	43 34 30·7	+0·5	14·102	·22	+0·13	5	6·25	43.3271
3205	8·0*	58 54·59	−0·01	2·2080	·004	−0·002	42 18 42·8	−0·1	14·108	·22	−0·03	5	6·26	42.3271
3206	8·5	8 58 58·43	−0·03	+2·2575	+0·004	−0·009	−40 38 13·5	−0·2	−14·112	−0·23	−0·05	5	6·81	40.3084
3207	8·8	59 1·20	−0·01	2·0838	·004	−0·006	46 9 59·8	−0·1	14·115	·21	−0·06	3	8·10	46.3340
3208	8·5	59 11·41	−0·01	2·1486	·004	−0·004	44 14 51·0	+0·2	14·125	·22	+0·09	3	8·11	44.3341
3209	8·5	59 13·25	0·00	2·1614	·004	0·000	43 50 57·4	−0·2	14·127	·21	−0·06	5	6·97	43.3276
3210	8·6	59 30·37	...	1·9262	·002	...	50 25 48·4	...	14·145	·19	..	3	9·12	50.2004
3211	8·8	8 59 35·15	−0·01	+2·1264	+0·004	−0·005	−44 58 39·1	0·0	−14·150	−0·21	+0·01	3	8·14	44.3352
3212	8·8	59 41·55	0·00	2·2089	·004	−0·001	42 22 45·8	0·0	14·156	·22	0·00	5	7·17	42.3285
3213	8·8	59 51·36	0·00	2·0179	·003	−0·004	48 6 39·4	0·0	14·166	·20	−0·05	3	9·14	48.2179
3214	8·7†	59 51·39	...	2·2246	·004	...	41 52 21·7	...	14·166	·22	...	5 : 4	6·43:6·48	41.3282
3215	8·0*	9 0 6·55	−0·02	2·2465	·004	−0·004	41 9 29·2	−0·2	14·182	·23	−0·05	5	6·21	41.3285
3216	8·8	9 0 7·86	...	+2·0404	+0·003	...	−47 31 58·1	...	−14·183	−0·20	...	3	8·11	47.3033
3217	8·7	0 12·22	0·00	1·9727	·003	−0·003	49 20 57·0	0·0	14·188	·20	0·00	3	9·15	49.2134
3218	8·8	0 16·11	−0·02	2·1075	·004	−0·012	45 37 49·2	−0·1	14·192	·21	−0·05	3	8·13	45.3385
3219	9·0	0 25·09	−0·01	2·1789	·004	−0·004	43 26 49·8	+0·4	14·201	·22	+0·11	5	6·65	43.3295
3220	8·7†	0 28·87	...	2·2686	·004	...	40 26 17·0	...	14·205	·23	...	5	7·03	40.3106
3221	8·9	9 0 38·58	−0·03	+2·2314	+0·004	−0·009	−41 44 27·4	0·0	−14·215	−0·22	0·00	5	7·18	41.3294
3222	7·3	0 39·70	−0·02	2·0603	·004	−0·009	47 2 37·8	0·0	14·216	·21	−0·01	3	8·15	46.3371
3223	5·0	0 42·32	−0·01	2·0726	·004	−0·007	46 41 58·5	−0·1	14·219	·21	−0·04	3	8·15	46.3372
3224	8·5	0 46·88	0·00	1·9071	·002	−0·001	51 3 4·5	0·0	14·224	·19	+0·03	3	9·12	50.2021
3225	9·0*	1 4·83	−0·01	2·1993	·004	−0·003	42 52 6·3	+0·3	14·242	·22	+0·09	5	6·19	42.3309
3226	9·0*	9 1 6·17	−0·01	+2·2254	+0·004	−0·003	−42 0 11·0	+0·1	−14·243	−0·22	+0·03	5	6·45	41.3306
3227	8·8	1 11·34	−0·01	2·1584	·004	−0·003	44 11 27·6	0·0	14·249	·22	+0·01	3	8·10	44.3378
3228	8·6	1 44·75	0·00	1·8901	·002	−0·004	51 34 36·0	0·0	14·283	·19	+0·04	3	9·13	51.1866
3229	8·5*	1 48·70	+0·06	2·2768	·004	+0·015	40 18 36·5	0·0	14·287	·23	−0·01	5	6·27	40.3129
3230	9·0*	2 6·88	−0·02	2·1745	·004	−0·005	43 47 57·6	+0·4	14·305	·22	+0·11	5	6·43	43.3327
3231	7·9	9 2 14·35	−0·01	+1·9616	+0·003	−0·009	−49 53 11·7	0·0	−14·313	·19	−0·03	3	9·13	49.2171
3232	8·8	2 22·24	0·00	2·0022	·003	−0·005	48 50 57·1	0·0	14·321	·20	0·00	3	9·15	48.2221
3233	8·4	2 31·74	−0·01	2·1366	·004	−0·007	45 2 14·0	−0·1	14·331	·21	−0·05	5	8·16	44.3409
3234	9·2	2 44·90	−0·02	2·0992	·004	−0·010	46 11 25·2	0·0	14·344	·21	0·00	3	8·10	46.3402
3235	9·0*	2 47·80	−0·03	2·2602	·005	−0·009	41 1 30·6	−0·1	14·347	·22	−0·02	5	6·22	40.3156
3236	9·1	9 2 55·74	...	+2·0443	+0·004	...	−47 46 43·5	...	−14·355	−0·20	...	3	8·13	47.3073
3237	8·8	2 55·88	...	2·0280	·003	...	48 13 37·6	...	14·355	·20	...	3	9·13	48.2229
3238	8·0*	2 58·18	+0·03	2·1997	·004	+0·007	43 5 42·9	+0·6	14·358	·22	+0·15	5	6·23	42.3335
3239	9·1	3 9·04	−0·02	2·0806	·004	−0·012	46 46 54·5	+0·2	14·369	·21	+0·10	3	8·16	46.3408
3240	9·0	3 13·40	...	2·1128	·004	...	45 50 48·9	...	14·373	·21	...	3	8·16	45.3436

3203. $6^m·2$, $7^m·8$ 1″·1 99° Mass observed.

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3241	9·1	9 3 38·35	0·00	+1·9936	+0·003	−0·004	−49 14 12·0	0·0	−14·399	−0·20	+0·01	3	9·13	49.2186
3242	9·5	3 40·83	...	2·2321	·005	...	42 6 10·8	...	14·401	·22	...	5	6·79	42.3352
3243	7·3	4 1·25	0·00	1·9337	·003	−0·003	50 48 30·7	0·0	14·422	·19	−0·01	3	9·14	50.2067
3244	9·5*	4 1·59	−0·06	2·2500	·005	−0·017	41 32 0·0	+0·3	14·422	·22	+0·09	5	6·62	41.3358
3245	7·3	4 5·44	−0·01	2·1690	·004	−0·006	44 13 43·7	0·0	14·426	·21	−0·01	3	8·11	44.3436
3246	8·5	9 4 11·35	−0·02	+2·0721	+0·004	−0·012	−47 9 27·9	+0·1	−14·432	−0·20	+0·04	3	8·11	47.3088
3247	8·7	4 12·69	−0·01	1·8869	·002	−0·010	51 57 28·2	0·0	14·433	·18	0·00	5	9 16	51.1886
3248	9·0	4 19·57	...	2·2263	·005	...	42 23 2·7	...	14·440	·22	...	5	6·42	42.3365
3249	9·0*	4 24·84	−0·04	2·2104	·005	−0·013	42 55 32·1	−0·4	14·446	·22	−0·11	5	6·79	42.3369
3250	7·5	4 29·98	0·00	2·2665	·005	+0·001	41 1 13·3	−0·3	14·451	·22	−0·10	15:14	6·89:6·94	40.3187
3251	8·6	9 4 30·91	0·00	+2·1545	+0·004	−0·001	−44 44 23·3	0·0	−14·452	−0·21	+0·02	3	8·15	44.3447
3252	8·1	4 40·45	0·00	1·9664	·003	−0·005	50 4 26·7	−0·1	14·461	·19	−0·14	3	9·16	49.2201
3253	9·0†	5 8·68	...	2·2618	·005	...	41 15 55·7	...	14·490	·22	...	5	6·22	41.3369
3254	8·7	5 31·23	0·00	2·0159	·004	+0·002	48 53 3·5	0·0	14·513	·20	+0·05	3	9·13	48.2258
3255	9·0*	5 58·91	−0·03	2·2368	·005	−0·008	42 14 32·4	+0·2	14·541	·22	+0·05	5	6·25	42.3408
3256	8·7	9 5 59·39	−0·01	+2·1485	+0·004	−0·007	−45 7 10·2	−0·1	−14·541	−0·21	−0·05	3	8·10	45.3476
3257	8·8	6 15·62	0·00	2·0457	·004	+0·003	48 10 20·0	0·0	14·557	·20	−0·02	3	9·14	48.2268
3258	7·6	6 24·24	−0·01	2·0853	·004	−0·008	47 4 7·9	0·0	14·566	·20	−0·02	3	8·13	46.3456
3259	8·2	6 39·42	0·00	2·0609	·004	−0·002	47 47 56·8	−0·1	14·581	·20	−0·03	3	8·15	47.3120
3260	8·7	6 42·88	−0·02	2·0985	·004	−0·009	46 43 26·2	+0·3	14·584	·20	+0·15	3	8·11	46.3457
3261	9·1	9 6 44·71	0·00	+1·9601	+0·003	−0·003	−50 29 58·6	0·0	−14·586	−0·19	+0·01	3	9·13	50.2106
3262	9·0	6 48·44	−0·04	2·2485	·005	−0·011	41 56 50·7	0·0	14·590	·22	0·00	5	6·80	41.3404
3263	8·5*	6 51·31	−0·02	2·2716	·005	−0·005	41 9 1·1	0·0	14·593	·22	+0·01	5	6·46	41.3405
3264	9·2	7 2·50	0·00	2·2149	·005	0·000	43 7 23·0	−0·1	14·604	·21	−0·03	5	7·21	43.3415
3265	9·0	7 5·61	...	1·9840	·003	...	49 56 8·1	...	14·607	·19	...	3	9·16	49.2241
3266*	7·0*	9 7 15·03	−0·01	+2·2236	+0·005	−0·002	−42 51 27·0	−0·2	−14·617	−0·22	−0·06	4	6·68	42.3430
3267	8·4	7 43·65	−0·01	2·0284	·004	−0·006	48 50 16·8	0·0	14·645	·20	−0·03	3	9·14	48.2291
3268	9·5	7 45·17	...	2·1940	·005	...	43 54 27·3	...	14·647	·21	...	5	6·97	43.3426
3269	8·5	7 46·43	0·00	2·0109	·004	−0·004	49 18 56·0	0·0	14·648	·19	+0·05	3	9·15	49.2252
3270	8·9	7 52·81	0·00	1·9370	·003	−0·002	51 13 31·4	0·0	14·654	·19	−0·03	3	9·19	51.1959
3271	8·7	9 7 57·33	−0·01	+1·9178	+0·003	−0·009	−51 42 4·3	0·0	−14·659	−0·18	−0·03	3	9·22	51.1962
3272	6·3	8 0·99	−0·01	2·1229	·005	−0·007	46 10 26·1	0·0	14·662	·20	−0·02	3	8·11	46.3474
3273	9·0*	8 3·30	−0·03	2·2912	·005	−0·008	40 36 8·4	−0·1	14·665	·22	−0·04	5	6·47	40.3254
3274	9·3	8 7·76	−0·01	2·1349	·005	−0·006	45 49 25·3	0·0	14·669	·21	0·00	3	8·12	45.3507
3275	8·3	8 16·03	−0·01	2·1676	·005	−0·004	44 49 26·8	−0·1	14·677	·21	−0·07	3	8·15	44.3518
3276	8·8	9 8 16·22	−0·02	+2·2000	+0·005	−0·005	−43 46 46·3	+0·4	−14·677	−0·21	+0·12	5	6·82	43.3441
3277	7·5	8 39·30	−0·01	2·1497	·005	−0·007	45 26 12·6	−0·1	14·700	·21	−0·04	3	8·16	45.3514
3278	9·0	8 40·41	0·00	2·3067	·005	0·000	40 7 2·9	−0·3	14·702	·22	−0·10	4	7·20	40.3263
3279	8·5	8 46·62	−0·02	2·2289	·005	−0·005	42 52 53·3	+0·1	14·708	·21	+0·04	4	6·92	42.3458
3280	9·8	9 6·25	...	2·0731	·004	...	47 46 43·6	...	14·727	·20	...	3	8·11	47.3150

3266. $7^m·4$, $8^m·4$ $0''·6\pm$ $5°\pm$ Not separated 1900 and 1901.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3281	7·0*	9 9 32·39	−0·02	+2·2614	+0·005	−0·006	−41 51 44·1	+0·1	−14·753	−0·22	+0·03	4	6·49	41.3452
3282	9·0	9 51·84	−0·01	2·1947	·005	−0·004	44 10 4·9	+0·2	14·772	·21	+0·12	3	8·12	44.3544
3283	6·5*	10 3·79	−0·01	2·1070	·005	−0·005	46 55 30·8	0·0	14·784	·20	−0·01	5	8·15	46.3497
3284	7·3	10 6·07	0·00	2·0458	·004	−0·003	48 40 48·1	0·0	14·786	·20	−0·03	3	9·14	48.2314
3285	9·1	10 8·79	−0·01	1·9836	·004	−0·010	50 21 3·0	0·0	14·789	·19	−0·03	3	9·14	50.2144
3286	8·3	9 10 9·15	...	+2·2699	+0·005	...	−41 38 58·3	...	−14·789	−0·22	...	4	6·92	41.3461
3287	9·0	10 14·98	−0·01	2·3088	·005	−0·004	40 15 10·8	−0·1	14·795	·22	−0·05	4	7·20	40.3295
3288	8·5	10 22·02	−0·01	2·2592	·005	−0·003	42 3 11·4	0·0	14·802	·22	0·00	7	6·81	41.3470
3289	8·7	10 24 03	0·00	2·0055	·004	+0·001	49 48 35·0	0·0	14·804	·19	+0·02	3	9·20	49.2279
3290	9·0*	10 33·56	−0·01	2·2669	·005	−0·003	41 48 29·2	+0·1	14·813	·22	+0·03	4	7·20	41.3473
3291	8·0	9 10 46·05	−0·01	+2·2770	+0·005	−0·004	−41 28 38·6	0·0	+14·825	−0·22	0·00	4	7·00	41.3478
3292	9·0	10 51·13	−0·02	2·1079	·005	−0·008	47 0 14·2	+0·1	14·830	·20	+0·03	3	8·11	46.3507
3293	8·5	10 53·97	+0·01	2·2184	·005	+0·004	43 31 44·8	−0·1	14·833	·21	−0·02	4	6·98	43.3484
3294	9·5	11 26·10	−0·04	2·2978	·005	−0·012	40 48 52·8	−0·2	14·865	·22	−0·06	4	6·90	40.3325
3295	8·9	11 36·54	0·00	2·0742	·005	−0·003	48 5 16·7	0·0	14·875	·20	+0·05	3	9·13	47.3187
3296*	7·3	9 11 37·22	−0·01	+2·1721	+0·005	−0·006	−45 8 21·4	−0·1	−14·875	−0·21	−0·03	3	8·12	45.3566
3297	9·3	11 38·24	...	2·2556	·005	...	42 21 9·3	...	14·877	·21	...	5	6·82	42.3508
3298	9·3	12 0·32	...	2·1319	·005	...	46 26 31·9	...	14·898	·20	...	3	8·11	46.3524
3299	9·5	12 4 27	...	1·9435	·003	...	51 37 20·2	...	14·902	·18	...	3	9·15	51.2050
3300	8·3	12 24·12	−0·01	2·2325	·005	−0·004	43 15 23·8	−0·1	14·921	·21	−0·05	4	7·19	43.3507
3301	7·8	9 12 32·05	0·00	+2·0259	+0·004	−0·003	−49 33 22·0	0·0	−14·929	−0·19	−0·01	3	9·13	49.2323
3302	6·0	12 41·19	−0·02	2·2162	·005	−0·005	43 50 52·7	−0·1	14·938	·21	−0·03	4	6·69	43.3513
3303	9·0	12 57·63	−0·02	2·2958	·005	−0·005	41 6 1·4	−0·1	14·954	·22	−0·04	4	6·71	40.3347
3304	7·3	13 15·52	0·00	2·0441	·004	0·000	49 9 36·9	0·0	14·971	·19	−0·01	3	9·15	49.2335
3305	7·5	13 18·24	−0·01	2·1963	·005	−0·005	44 35 35·2	0·0	14·974	·21	−0·01	3	8·11	44.3621
3306	9·0	9 13 34·40	−0·03	+2·2453	+0·005	−0·010	−42 58 43·0	+0·3	−14·989	−0·21	+0·10	4	6·94	42.3541
3307	9·1	13 38·84	−0·02	2·1584	·005	−0·013	45 51 20·8	0·0	14·994	·20	−0·02	3	8·12	45.3599
3308	9·0*	13 39·44	−0·02	2·2904	·005	−0·007	41 23 35·8	+0·3	14·994	·22	+0·11	4	6·92	41.3522
3309	8·6	13 39·61	0·00	2·1105	·005	+0·001	47 18 58·5	−0·1	14·994	·20	−0·07	3	8·15	47.3209
3310	8·1	14 5·85	...	2·0117	·004	...	50 9 18·6	...	15·020	·19	...	3	9·14	50.2204
3311	9·0	9 14 15·12	−0·01	+2·0925	+0·005	−0·005	−47 55 37·5	0·0	−15·029	−0·20	−0·01	3	8·13	47.3212
3312	9·5	14 20·17	...	2·2561	·006	...	42 42 48·9	...	15·034	·21	...	5	6·82	42.3553
3313	9·5	14 23·28	0·00	2·0666	·005	+0·003	48 41 26·1	0·0	15·037	·19	+0·05	3	9·13	48.2349
3314	9·0	14 41·97	−0·01	2·2510	·006	−0·004	42 56 38·3	−0·1	15·055	·21	−0·03	3	6·55	42.3555
3315	8·6	14 42·74	...	2·1768	·005	...	45 25 23·6	...	15·055	·20	...	3	8·11	45.3626
3316	6·0*	9 14 46·15	0·00	+1·9971	+0·004	−0·006	−50 37 48·4	0·0	−15·059	−0·19	+0·01	3	9·18	50.2216
3317	8·6	14 53·49	−0·02	2·2152	·005	−0·011	44 11 39·4	0·0	15·066	·21	0·00	3	8·14	44.3659
3318	7·8	15 13·11	−0·01	2·1356	·005	−0·004	46 46 58·4	−0·1	15·085	·20	−0·03	3	8·16	46.3565
3319	8·0*	15 13·71	−0·03	2·3060	·005	−0·008	41 2 44·7	−0·1	15·085	·21	−0·04	5	6·63	40.3394
3320	6·5*	15 24·10	−0·01	1·9809	·004	−0·010	51 8 19·5	0·0	15·095	·18	0·00	3	9·14	51.2101

3296. $7^m·7, 8^m·5$ 1″·0 272° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			
3321	8·0	9 15 30·84	−0·05	+2·1114	+0·005	−0·025	−47 33 3·7	+0·3	−15·102	−0·20	+0·18	3	8·12	47.3224
3322	8·1	15 32·25	−0·01	2·1553	·005	−0·007	46 13 6·8	+0·1	15·103	·20	+0·04	3	8·11	46.3568
3323	8·7	15 38·60	0·00	2·0385	·005	−0·004	49 38 55·2	0·0	15·109	·19	+0·04	3	9·13	49.2376
3324	9·5	15 39·94	0·00	2·2591	·006	0·000	42 47 50·0	0·0	15·110	·21	0·00	4	6·92	42.3577
3325	8·9	15 43·36	−0·01	1·9521	·004	−0·008	51 54 36·3	0·0	15·114	·18	−0·04	3	9·19	51.2106
3326	9·0	9 15 44·55	−0·04	+2·2991	+0·006	−0·011	−41 22 6·3	0·0	−15·115	−0·21	+0·01	4	6·72	41.3561
3327	9·9	15 54·60	...	2·0974	·005	...	48 1 22·2	...	15·124	·19	...	3	9·21	47.3232
3328	8·7†	16 27·64	...	2·3114	·006	...	41 1 0·4	...	15·156	·21	...	5	6·25	40.3417
3329	9·5	16 28·55	...	2·2483	·006	...	43 17 23·2	...	15·157	·21	...	4	7·23	43.3589
3330	7·7	16 34·13	0·00	2·2057	·006	−0·002	44 44 56·5	0·0	15·162	·20	0·00	3	8·11	44.3686
3331	9·5	9 16 41·34	−0·02	+2·2868	+0·006	−0·005	−41 57 9·5	+0·2	−15·169	−0·21	+0·05	5	7·00	41.3583
3332	8·5	16 49·77	−0·01	2·2333	·006	−0·003	43 51 32·2	−0·1	15·177	·21	−0·02	10	6·84	43.3595
3333	8·2	17 1·36	−0·01	2·1322	·005	−0·004	47 8 31·9	0·0	15·188	·20	0·00	3	8·12	47.3241
3334	8·0*	17 2·87	0·00	2·2758	·006	+0·001	42 24 10·5	−0·1	15·189	·21	−0·02	5	6·41	42.3609
3335	8·1	18 6·50	−0·01	2·1457	·006	−0·005	46 53 38·4	0·0	15·250	·20	−0·02	3	8·11	46.3596
3336	8·5	9 18 10·85	0·00	+2·0022	+0·004	+0·001	−50 58 54·7	0·0	−15·254	−0·18	−0·05	5	9·21	50.2271
3337	8·4	18 11·55	0·00	2·0642	·005	+0·004	49 18 8·7	0·0	15 255	·19	0·00	3	9·13	49.2411
3338	9·3	18 23·76	−0·01	2·1997	·006	−0·007	45 12 57·2	0·0	15·266	·20	−0·02	3	8·13	45.3693
3339	7·4	18 44·85	−0·01	2·1888	·006	−0·003	45 37 14·4	0·0	15·286	·20	+0·01	3 : 4	8·14	45.3698
3340	9·0*	18 55·09	−0·01	2·3388	·006	−0·002	40 20 7·2	−0·5	15·296	·21	−0·14	5	6·20	40.3465
3341	8·0	9 19 3·31	0·00	+2·0505	+0·005	−0·002	−49 48 27·6	0·0	−15·303	−0·19	−0·02	3	9·14	49.2419
3342	9·1	19 14·01	0·00	2·0855	·005	−0·001	48 50 45·4	0·0	15·314	·19	−0·01	3	9·13	48.2400
3343	8·8	19 16·04	0·00	1·9805	·004	−0·005	51 41 50·0	0·0	15·316	·18	+0·02	3	9·20	51.2151
3344	8·3	19 24·18	−0·02	2·1403	·006	−0·008	47 14 42·7	−0·1	15·323	·19	−0·03	3	8·12	47.3270
3345	8·2	19 28·46	−0·01	2·2247	·006	−0·004	44 32 12·3	−0·1	15·327	·20	−0·04	3	8·12	44.3732
3346	8·8*	9 19 38·87	−0·02	+2·2649	+0·006	−0·006	−43 10 22·1	+0·2	−15·337	−0·21	+0·04	6	6·24	43.3631
3347	9·0	19 45·12	0·00	2·0420	·005	−0·002	50 8 30·5	0·0	15·343	·19	−0·05	3	9·17	50.2300
3348	9·0*	19 45·39	−0·02	2·2566	·006	−0·006	43 28 49·7	0·0	15·343	·21	−0·01	4	7·21	43.3636
3349	9·5	19 47·25	...	2·2882	·006	...	42 21 17·9	...	15·345	·21	...	5	7·02	42.3657
3350	9·0*	19 47·75	−0·03	2·3026	·006	−0·011	41 49 41·5	0·0	15·345	·21	+0·01	4	7·24	41.3651
3351	9·1	9 19 50·96	+0·01	+2·1870	+0·006	+0·003	−45 50 27·9	+0·1	−15·348	−0·20	+0·04	3 : 4	8·14	45.3716
3352	7·3	19 53·02	0·00	2·1224	·006	−0·002	47 51 28·0	0·0	15·350	·19	−0·01	3	8·16	47.3276
3353	6·5*	20 2·83	−0·01	2·1680	·006	−0·006	46 28 45·4	0·0	15·359	·20	0·00	3	8·16	46.3618
3354	8·5*	20 7·40	−0·04	2·3350	·006	−0·013	40 39 19·7	0·0	15·364	·21	+0·01	4	6·75	40.3488
3355	9·0*	20 10·64	−0·04	2·3145	·006	−0·016	41 26 42·4	−0·1	15·367	·21	−0·03	4	7·22	41.3663
3356	9·5	9 20 24·39	...	+2·2742	+0·006	...	−42 57 10·3	...	−15·380	−0·21	...	4	6·68	42.3663
3357	9·5	20 30·39	0·00	2·0181	·005	−0·001	50 53 47·3	0·0	15·385	·18	−0·02	3	9·13	50.2311
3358	9·3	20 55·76	0·00	2·1154	·006	−0·004	48 13 23·1	0·0	15·409	·19	−0·02	3	9·15	48.2419
3359	8·5*	21 16·25	0·00	2·3087	·006	−0·001	41 49 17·3	+0·1	15·428	·21	+0·03	5	6·20	41.3681
3360	8·6	21 19·06	0·00	2·2208	·006	−0·001	44 56 39·9	0·0	15·431	·20	−0·01	3	8 12	44.3761

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3361	9·5†	9 21 22·38	...	+2·3023	+0·006	...	−42 4 44·3	...	−15·434	−0·21	...	5	6·27	41.3686
3362	9·0	21 27·41	...	2·3507	·006	...	40 14 41·5	...	15·438	·21	...	5	7·21	40.3521
3363	8·0	21 38·27	−0·02	2·1745	·006	−0·010	46 30 42·9	0·0	15·448	·20	−0·01	3:4	8·15	46.3638
3364	9·1	21 58·77	−0·05	2·2174	·006	−0·027	45 9 42·4	0·0	15·467	·20	0·00	3	8·16	45.3740
3365	8·9	22 9·56	−0·01	2·0903	·006	−0·006	49 8 43·6	0·0	15·478	·19	+0·02	3	9·13	49.2459
3366	8·4	9 22 44·48	−0·01	+2·2049	+0·006	−0·004	−45 41 30·0	0·0	−15·510	−0·20	0·00	3	8·13	45.3749
3367	8·0*	22 54·31	−0·03	2·2608	·006	−0·007	43 48 21·4	−0·1	15·519	·20	−0·03	5	6·21	43.3688
3368	9·5	22 54·88	...	2·1611	·006	...	47 7 36·6	...	15·519	·19	...	3	8·14	47.3327
3369	8·4	23 3·55	−0·01	2·0381	·005	−0·006	50 44 26·5	0·0	15·527	·18	0·00	3	9·14	50.2354
3370	8·8	23 8·75	0·00	2·0702	·005	+0·002	49 52 3·0	0·0	15·532	·18	+0·04	3	9·14	49.2471
3371	7·3	9 23 26·22	−0·01	+2·1268	+0·006	−0·010	−48 15 35·2	0·0	−15·548	−0·19	−0·02	3	9·20	48.2454
3372	8·1	23 27·60	0·00	2·0182	·005	−0·005	51 20 7·1	0·0	15·550	·18	+0·03	3	9·22	51.2242
3373	9·3	23 33·07	0·00	2·2570	·006	0·000	44 2 23·5	+0·1	15·555	·20	+0·04	3	8·15	43.3699
3374	8·5*	23 54·41	−0·03	2·3361	·006	−0·007	41 10 56·0	0·0	15·574	·21	0·00	5	6·23	41.3730
3375	8·8	24 12·21	−0·03	2·1951	·006	−0·017	46 14 25·3	0·0	15·591	·19	0·00	3	8·12	46.3665
3376	9·0	9 24 15·07	...	+2·2979	+0·007	...	−42 40 29·8	...	−15·593	−0·20	...	5	7·19	42.3722
3377	8·5*	24 17·82	+0·04	2·3222	·006	+0·011	41 46 32·5	+0·3	15·596	·21	+0·07	5	6·23	41.3739
3378	9·5	24 18·17	−0·01	2·0611	·006	−0·008	50 17 33·4	−0·1	15·596	·18	−0·08	3	9·13	50.2380
3379	8·5	24 40·14	0·00	2·1188	·006	+0·003	48 41 15·2	0·0	15·616	·19	+0·02	3	9·18	48.2467
3380	7·9	24 50·48	0·00	2·1028	·006	−0·001	49 13 1·9	0·0	15·626	·19	−0·04	3	9·22	49.2484
3381	8·5*	9 25 0·93	+0·04	+2·2821	+0·007	+0·011	−43 22 11·4	−0·5	−15·635	−0·20	−0·14	5	6·62	43.3722
3382	9·0	25 4·36	0·00	2·1423	·006	+0·003	48 2 28·7	−0·1	15·638	·19	−0·08	5	9·19	47.3352
3383	8·5	25 7·36	−0·01	2·3097	·007	−0·003	42 22 16·9	−0·1	15·641	·20	−0·04	5	7·19	42.3739
3384	8·8	25 21·04	0·00	2·2557	·007	−0·002	44 21 50·6	+0·1	15·653	·20	+0·03	3	8·13	44.3803
3385	8·1	25 26·87	−0·02	2·1505	·006	−0·013	47 51 3·2	−0·1	15·659	·19	−0·08	3	8·14	47.3358
3386	8·5*	9 25 40·29	−0·01	+2·3356	+0·007	−0·003	−41 28 19·2	0·0	−15·671	−0·21	−0·01	5	6·21	41.3761
3387	7·6	25 42·70	−0·02	2·2650	·007	−0·011	44 5 39·8	0·0	15·673	·20	+0·01	4	8·17	43.3734
3388	8·6	25 56·63	0·00	2·2099	·007	0·000	46 1 26·3	+0·1	15·686	·19	+0·06	3	8·17	45.3791
3389	8·5	26 4·41	−0·01	2·3027	·007	−0·004	42 46 56·7	−0·1	15·693	·20	−0·03	5	6·42	42.3755
3390	9·1	26 7·04	0·00	2·0856	·006	−0·004	49 53 1·4	0·0	15·695	·18	−0·02	3	9·13	49.2501
3391	9·2	9 26 31·64	0·00	+2·1980	+0·007	−0·001	−46 30 18·8	0·0	−15·718	−0·19	+0·01	3	8·13	46.3690
3392	6·0*	26 40·40	0·00	2·0458	·006	−0·004	51 4 40·5	0·0	15·725	·18	0·00	3	9·15	50.2416
3393	7·8	26 48·83	−0·01	2·2402	·007	−0·006	45 7 53·1	0·0	15·733	·20	+0·01	3	8·14	45.3799
3394	8·1	26 56·76	0·00	2·0181	·005	+0·001	51 51 57·7	0·0	15·740	·17	−0·03	3	9·13	51.2293
3395	8·8	26 57·22	−0·05	2·1796	·007	−0·027	47 9 59·8	0·0	15·741	·19	+0·02	3	8·18	47.3373
3396	8·8	9 27 11·99	0·00	+2·2513	+0·007	−0·001	−44 48 31·6	+0·1	−15·754	−0·20	+0·04	3	8·18	44.3829
3397	8·5	27 19·26	0·00	2·1230	·006	0·000	48 58 36·4	0·0	15·761	·18	+0·06	5	9·21	48.2500
3398	8·0	27 29·59	−0·01	2·2307	·007	−0·006	45 33 59·1	0·0	15·770	·20	−0·01	3	8·13	45.3812
3399	9·0*	27 47·58	−0·02	2·2809	·007	−0·004	43 51 12·7	−0·2	15·786	·20	−0·06	5	6·24	43.3764
3400	8·3*	27 51·68	−0·03	2·3297	·007	−0·009	42 2 53·4	−0·1	15·790	·20	−0·03	5	6·19	41.3801

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	See. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	See. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	′			°
3401	8·2	9 28 8·64	−0·01	+2·0641	+0·006	−0·007	−50 48 37·5	0·0	−15·805	−0·18	−0·01	3	9·13	50.2442
3402	6·0*	28 21·03	0·00	2·3782	·007	−0·001	40 12 24·5	0·0	15·816	·21	−0·01	4	6·75	40.3640
3403	8·0	28 30·23	−0·02	2·3656	·007	−0·006	40 44 15·4	−0·1	15·824	·20	−0·04	4	7·22	40.3645
3404	9·0	28 30·93	−0·01	2·3023	·007	−0·005	43 10 55·0	+0·3	15·825	·20	+0·09	4	7·21	43.3777
3405	8·5*	28 35·90	+0·01	2·3389	·007	+0·005	41 48 34·5	+0·1	15·829	·20	+0·03	4	7·22	41.3815
3406	9·3	9 28 48·98	...	+2·0941	+0·006	...	−50 3 39·5	...	−15·841	−0·18	...	3	9·16	49.2542
3407	9·0*	29 5·27	+0·04	2·3270	·007	+0·010	42 20 30·8	0·0	15·856	·20	−0·01	4	6·25	42.3802
3408	9·5	29 12·25	...	2·3135	·007	...	42 52 30·0	...	15·862	·20	...	4	7·20	42.3805
3409	9·1	29 27·00	0·00	2·2177	·007	−0·002	46 19 17·2	0·0	15·875	·19	+0·02	3	8·12	46.3733
3410*	Var.	29 27·02	−0·01	2·2628	·007	−0·006	44 45 55·3	0·0	15·875	·20	−0·01	3 : 4	8·15	44.3864
3411	9·1	9 29 29·55	0·00	+2·2016	+0·007	−0·001	−46 51 44·9	0·0	−15·877	−0·19	−0·01	3	8·15	46.3735
3412	9·2	29 47·66	...	2·1795	·007	...	47 37 34·1	...	15·893	·19	...	3	8·17	47.3400
3413*	9·5*	30 1·86	−0·02	2·2905	·007	−0·007	43 51 57·5	0·0	15·906	·20	0·00	2	6·68	43.3808
3414	8·0	30 5·69	−0·01	2·1266	·007	−0·008	49 18 44·3	0·0	15·909	·18	−0·05	3	9·13	49.2570
3415	8·9	30 13·06	...	2·1468	·007	...	48 43 8·8	...	15·916	·18	...	3	9·18	48.2533
3416	9·0	9 30 17·41	0·00	+2·3363	+0·007	−0·001	−42 10 46·9	0·0	−15·920	−0·20	0·00	5	6·81	42.3825
3417	8·5*	30 19·92	−0·03	2·3761	·007	−0·007	40 36 40·0	+0·4	15·922	·20	+0·11	5	6·41	40.3687
3418	8·5	30 20·46	−0·04	2·3577	·007	−0·012	41 21 1·9	+0·3	15·922	·20	+0·10	5	6·81	41.3841
3419	5·5*	30 40·75	0·00	2·0783	·006	−0·002	50 48 35·9	0·0	15·940	·18	−0·02	3	9·17	50.2479
3420	7·8	30 54·24	−0·01	2·2805	·007	−0·007	44 22 13·6	0·0	15·952	·20	0·00	3	8·12	44.3890
3421	8·9	9 31 7·82	0·00	+2·1101	+0·007	−0·006	−49 58 9·3	0·0	−15·964	−0·18	−0·01	5	9·19	49.2586
3422	7·9	31 19·98	0·00	2·0543	·006	+0·001	51 34 58·4	0·0	15·975	·17	0·00	3	9·15	51.2372
3423	8·3*	31 25·74	−0·01	2·3701	.007	−0·002	41 1 39·3	0·0	15·980	·20	0·00	5	6·66	40.3709
3424	9·0	31 37·72	...	2·3899	·007	...	40 15 18·6	...	15·991	·20	...	5	6·82	40.3711
3425	8·3	31 39·31	−0·01	2·1886	·007	−0·004	47 38 9·7	−0·1	15·992	·19	−0·03	3 : 4	8·15	47.3413
3426	8·6	9 31 45·10	−0·02	+2·2479	+0·007	−0·009	−45 39 54·6	−0·1	−15·997	−0·19	−0·03	3	8·15	45.3862
3427	9·1	31 45·88	−0·03	2·2356	·007	−0·016	46 5 21·2	0·0	15·998	·19	−0·02	3	8·15	45.3863
3428	9·7†	31 50·24	...	2·3455	·007	...	42 4 23·5	...	16·002	·20	...	4	6·95	41.3863
3429	9·1†	32 8·20	...	2·2991	·007	...	43 53 38·9	...	16·017	·19	...	4	6·50	43.3843
3430	9·3	32 27·38	−0·01	2·2116	·007	−0·004	47 1 5·0	−0·1	16·034	·19	−0·03	3	8·18	46.3777
3431	9·1	9 32 31·24	−0·02	+2·2770	+0·007	−0·013	−44 45 49·1	+0·1	−16·038	−0·19	+0·03	3	8·16	44.3927
3432*	7·0	32 47·70	0·00	2·1738	·007	−0·005	48 18 8·3	0·0	16·052	·18	−0·04	3	9·14	48.2558
3433	9·5	32 49·47	...	2·3527	·007	..	41 57 20·0	...	16·053	·20	...	4	7·19	41.3880
3434	8·1	32 50·02	0·00	2·0816	·007	−0·004	51 3 54·1	0·0	16·054	·18	0·00	3	9·16	50.2509
3435	8·5	32 55·08	−0·03	2·2470	·007	−0·015	45 53 29·0	+0·1	16·058	·19	+0·03	3 : 4	8·15	45.3876
3436	9·5	9 33 8·28	...	+2·2646	+0·007	...	−45 18 29·0	...	−16·070	−0·19	...	3	8·14	45.3879
3437	5·0*	33 14·78	−0·01	2·1568	·007	−0·015	48 54 24·6	0·0	16·076	·18	+0·01	3	9·20	48.2562
3438	8·8*	33 16·85	−0·02	2·3642	·007	−0·008	41 34 18·6	−0·1	16·077	·20	−0·03	4	7·23	41.3888
3439	8·2*	33 17·97	−0·01	2·3326	·007	−0·002	42 49 9·6	−0·6	16·078	·20	−0·19	4	6·73	42.3871
3440	9·0*	33 30·63	0·00	2·3158	·008	+0·001	43 29 47·6	−0·1	16·089	·19	−0·02	4 : 3	7·23	43.3864

3410. L = $7^m·8$ and $9^m·3$ Algol type.
3413. 10^m, 10^m 3″·5 ± 160° ± Mass observed.
3432. $7^m·1$, $9^m·7$ 3″·0 167° Probably mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3441	9·?	9 33 43·07	...	+2·0980	+0·007	...	−50 44 28·8	...	−16·100	−0·18	...	3	9·23	50.2525
3442	8·5*	33 54·07	−0·01	2·4035	·007	−0·002	40 3 31·9	0·0	16·110	·20	−0·01	15	6·72	39.3772
3443	7·7	33 54·65	−0·01	2·1396	·007	−0·006	49 32 49·8	+0·2	16·110	·18	+0·21	3	9·16	49.2622
3444	6·0	34 6·98	0·00	2·3382	·008	0·000	42 44 22·1	−0·2	16·121	·20	−0·06	4	7·19	42.3880
3445	9·4	34 13·57	...	2·0643	·007	...	51 46 33·5	...	16·127	·17	...	3	9·23	51.2434
3446	9·1	9 35 5·19	...	+2·3780	+0·008	...	−41 18 55·1	...	−16·171	−0·20	...	4	7 19	41.3914
3447	8·0*	35 7·75	−0·02	2·3509	·008	−0·005	42 24 47·4	−0·2	16·173	·20	−0·04	5	6·24	42.3901
3448	9·1	35 14·41	−0·02	2·2298	·008	−0·011	46 52 16·4	+0·1	16·179	·18	+0·07	3 : 4	8·15	46.3813
3449	8·0	35 15·07	...	2·1301	·007	...	50 3 19·2	...	16·180	·18	...	3	9·16	49.2640
3450	9·5	35 19·26	...	2·3075	·008	...	44 7 5·5	...	16·183	·19	...	3	8·15	44.3988
3451	8·2	9 35 20·43	0·00	+2·1775	+0·008	−0·006	−48 36 34·0	0·0	−16·184	−0·18	−0·01	3	9·22	48.2589
3452	8 9	35 30·60	...	2·2026	·008	...	47 49 45·8	...	16·193	·18	...	3	8·16	47.3462
3453	8·5	35 35·76	−0·01	2·2759	·008	−0·006	45 19 25·9	−0·2	16·198	·19	−0·11	3	8·17	45.3900
3454	9·3	35 38·12	0·00	2·2927	·008	−0·001	44 43 16·6	0·0	16·199	·19	0·00	3	8·19	44.3992
3455	8·8*	35 42·16	−0·01	2·3833	·008	−0·002	41 12 16·9	−0·1	16·203	·20	−0·03	5	7·01	41.3920
3456	8·5*	9 35 59·41	−0·02	+2·3382	+0·008	−0·005	−43 3 27·2	−0·1	−16·218	−0·19	−0·03	5	6·65	42.3919
3457	9·4	36 3·67	...	2·1676	·008	...	49 2 43·3	...	16·221	·18	..	3	9·24	48.2597
3458	7·9	36 10·99	0·00	2·1476	·007	−0·004	49 41 5·8	0·0	16·228	·18	−0·03	3	9·16	49.2656
3459	9·3	36 13·60	−0·01	2·1221	·007	−0·008	50 27 31·1	0·0	16·230	·17	+0·02	3	9·26	50.2576
3460	9·0	36 15·32	0·00	2·1023	·007	−0·004	51 2 24·8	0·0	16·231	·17	−0·04	3	9·22	50.2577
3461	8·5	9 37 13·39	−0·02	+2·2729	+0·008	−0·009	−45 42 37·8	−0·1	−16·281	−0·19	−0·03	3	8·13	45.3928
3462	9·5	37 14·64	0·00	2·1827	·008	+0·002	48 46 10·5	0·0	16·282	·18	−0·02	3	9·16	48.2610
3463	8·0	37 44·97	0·00	2·1064	·007	−0·006	51 10 37·0	0·0	16·308	·17	+0·02	3	9·22	51.2503
3464	9·8	37 45·64	...	2·0866	·007	...	51 44 50·6	...	16·308	·17	...	3	9·25	51.2504
3465	8·6†	38 3·35	−0·01	2·3514	·008	−0·002	42 53 54·0	−0·2	16·323	·19	−0·06	5	6·24	42.3964
3466	7·5*	9 38 3·63	−0·02	+2·3780	+0·008	−0·007	−41 49 37·4	−0·1	−16·323	−0·19	−0·04	5	6·64	41.3949
3467	9·2	38 4·98	...	2·3709	·008	...	42 7 26·1	...	16·325	·19	...	5	7·20	42.3965
3468	8·7	38 5·30	−0 01	2·2818	·008	−0·006	45 32 25·2	−0·1	16·325	·19	−0·06	3 : 4	8·15	45.3942
3469	8·9	38 15·20	−0·01	2·2643	·008	−0·006	46 11 52·6	−0·1	16·333	·19	−0·07	3	8·14	46.3858
3470	9·2	38 23·02	−0·02	2·2358	·008	−0·011	47 12 45·9	0·0	16·340	·18	+0·02	3	8·17	47.3499
3471	8·5*	9 38 37·12	−0·02	+2·4184	+0·008	−0·005	−40 13 27·4	0·0	−16·352	−0·20	−0·01	5	6·82	40.3821
3472	7·9	38 41·64	−0·01	2·2606	·008	−0·005	46 24 30·3	−0·1	16·356	·18	−0·03	3	8·18	46.3864
3473	8·8	39 2·40	−0·01	2·3958	·008	−0·004	41 15 37·2	+0·2	16·373	·19	+0·06	5	6·66	41.3957
3474	9·5	39 10·59	−0·01	2·3136	·008	−0·007	44 33 29·7	0·0	16·380	·19	0·00	3	8·14	44.4070
3475	8·5*	39 35·21	−0·02	2·4109	·008	−0·004	40 42 49·7	−0·2	16·401	·19	−0·05	5	6·21	40.3835
3476	9·0	9 39 47·31	−0·02	+2·3540	+0·008	−0·007	−43 6 2·3	−0·2	−16·411	−0·19	−0·07	4	7·21	42.3986
3477	9·1	39 49·42	...	2·3367	·008	...	43 47 16·7	...	16·413	·19	...	4	6·73	43.3973
3478	9·0*	39 50·49	+0·02	2·3718	·008	+0·003	42 23 33·6	0·0	16·413	·19	0·00	4	7·25	42.3988
3479	7·1	39 54·08	0·00	2·1329	·008	−0·004	50 46 10·8	0·0	16·416	·17	0·00	3	9·16	50.2636
3480	8·4	40 6·49	0·00	2·1955	·008	−0·002	48 51 38·6	0·0	16·427	·18	−0·03	3	9·22	48.2656

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3481	8·4	9 40 7·31	...	+2·1620	+0·008	...	−49 55 20·0	...	−16·427	−0·17	...	3	9·26	49.2731
3482	8·6	40 13·11	−0·02	2·2325	·08	−0·013	47 38 57·3	−0·3	16·432	·18	−0·15	3	8·13	47.3527
3483	9·6	40 16·75	...	2·4001	·008	...	41 17 36·8	...	16·435	·19	...	5	7·04	41.3973
3484	8·5	40 22·25	+0·02	2·3441	·008	+0·007	43 35 46·7	+0·1	16·440	·19	+0·04	4	6·48	43.3983
3485	9·3	40 32·66	...	2·4241	·08	...	40 19 12·5	...	16·449	·19	...	4	7·21	40.3845
3486	9·1	9 40 44·94	...	+2·1870	+0·008	...	−49 14 55·1	...	−16·459	−0·18	...	3	9·26	49.2740
3487	7·0	40 54·83	0·00	2·2232	·008	−0·004	48 5 20·7	0·0	16·467	·18	−0·01	3	9·16	47.3542
3488	8·9	41 0·09	+0·01	2·1527	·008	+0·018	50 21 55·1	+0·1	16·471	·17	+0·07	3	9·22	50.2657
3489	9·0	41 1·86	...	2·3912	·008	...	41 48 24·2	...	16·473	·19	...	5	6·45	41.3982
3490	8·5*	41 6·12	−0·01	2·4174	·008	−0·003	40 42 4·1	0·0	16·477	·19	+0·01	5	6·22	40.3855
3491	8·1	9 41 7·54	−0·03	+2·2655	+0·008	−0·017	−47 1 14·4	−0·1	−16·478	−0·18	−0·06	3:4	8·16	46.3899
3492	9·1	41 9·86	0·00	2·3122	·009	−0·001	44 57 55·5	0·0	16·480	·18	+0·02	3	8·16	44.4120
3493	8·9	41 11·14	...	2·2925	·009	...	45 42 10·4	...	16·481	·18	...	3	8·17	45.3991
3494	8·9	41 16·35	−0·02	2·2834	·009	−0·010	46 2 55·4	+0·2	16·485	·18	+0·09	3	8·17	45.3993
3495	8·0*	41 42·75	−0·03	2·4083	·008	−0·007	41 12 20·6	0·0	16·507	·19	+0·01	5	6·25	41.3996
3496	9·5	9 41 43·70	...	+2·1336	+0·008	...	−51 4 22·8	...	−16·508	−0·17	...	3	9·16	50.2681
3497	8·1	41 48·42	−0·01	2·3024	·009	−0·004	45 27 0·5	0·0	16·512	·18	+0·02	3	8·17	45.4005
3498	9·2	42 11·10	−0·02	2·2676	·009	−0·011	46 47 4·9	+0·1	16·530	·18	+0·04	3	8·15	46.3918
3499	8·2	42 11·21	0·00	2·1107	·008	+0·001	51 49 23·3	−0·1	16·530	·17	−0·07	3	9·22	51.2580
3500	8·5	42 35·28	0·00	2·2150	·009	0·000	48 39 49·9	0·0	16·550	·17	0·00	3	9·16	48.2693
3501	6·5	9 42 36·40	−0·01	+2·3366	+0·009	−0·003	−44 17 33·4	0·0	−16·551	−0·19	−0·01	3:4	8·14	44.4165
3502	9·1†	42 42·21	...	2·4393	·008	...	40 1 34·6	...	16·556	·19	...	5	6·22	39.3886
3503	8·0	42 58·81	0·00	2·1723	·009	−0·006	50 6 48·1	0·0	16·570	·17	−0·03	3	9·24	50.2713
3504	8·0	43 37·20	...	2·3788	·009	...	42 47 22·7	...	16·601	·19	...	5	6·25	42.4048
3505	9·0	43 59·37	−0·01	2·3227	·009	−0·004	45 4 56·2	−0·1	16·619	·18	−0·03	3	8·13	44.4200
3506	7·0	9 44 3·86	0·00	+2·1984	+0·009	−0·004	−49 28 43·7	0·0	−16·623	−0·17	−0·01	3	9·16	49.2791
3507	8·5*	44 9·21	−0·02	2·4242	·009	−0·006	40 57 45·5	+0·1	16·627	·19	+0·02	5	6·65	40.3906
3508	9·5	44 14·80	−0·01	2·3878	·009	−0·004	42 32 4·6	−0·3	16·632	·19	−0·08	5	6·61	42.4055
3509	8·3	44 23·41	−0·01	2·2983	·009	−0·006	46 4 30·0	0·0	16·639	·18	−0·02	3:4	8·15	45.4040
3510	8·0	44 28·07	−0·05	2·3639	·009	−0·019	43 33 20·4	−0·3	16·642	·18	−0·10	4	7·19	43.4052
3511	9·4	9 44 33·93	0·00	+2·1586	+0·009	−0·005	−50 49 29·5	0·0	−16·647	−0·17	−0·04	3	9·22	50.2745
3512	9·3	44 42·52	0·00	2·2495	·009	+0·001	47 53 4·9	+0·1	16·654	·18	+0·05	3	8·16	47.3624
3513	9·7	45 2·03	...	2·3486	·009	...	44 16 20·8	...	16·670	·18	...	3	8·19	44.4229
3514	9·5†	45 6·94	...	2·4160	·009	...	41 29 40·6	...	16·674	·19	...	4	6·96	41.4041
3515	8·3	45 9·86	−0·02	2·2644	·009	−0·012	47 26 49·7	−0·1	16·676	·18	−0·03	3	8·16	47.3634
3516	7·3*	9 45 10·59	−0·01	+2·3803	+0·009	−0·004	−43 1 2·7	0·0	−16·677	−0·19	−0·01	12	6·67	42.4072
3517	9·0	45 12·64	...	2·4059	·009	...	41 56 54·6	...	16·678	·19	...	4	6·98	41.4044
3518	9·1	45 32·63	−0·02	2·2904	·009	−0·009	46 35 8·9	+0·1	16·695	·18	+0·08	3:4	8·14	46.3964
3519	9·8	45 37·69	...	2·2377	·009	...	48 27 35·2	...	16·699	·17	...	3	9·18	48.2733
3520	8·0	45 59·43	0·00	2·1396	·009	0·000	51 39 37·8	0·0	16·716	·16	−0·01	3	9·25	51.2658

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3521	5·8*	9 46 4·13	−0·01	+2·3281	+0·009	−0·004	−45 15 57·5	0·0	−16·720	−0·18	−0·02	3	8·16	45.4086
3522	9·0*	46 14·68	−0·04	2·4072	·009	−0.012	42 5 20·0	+0·2	16·729	·19	+0·05	5	6·61	41.4060
3523	8·0	46 20·41	0·00	2·4255	·009	−0·001	41 18 29·3	−0·2	16·733	·19	−0·05	5	6·82	41.4061
3524	8·0	46 23·96	0·00	2·1907	·009	+0·004	50 9 24·3	−0·1	16·736	·17	−0·09	3	9·19	50.2790
3525	8·3	46 41·67	−0·01	2·2014	·009	−0·007	49 52 5·2	0·0	16·750	·17	−0·03	3	9·23	49.2847
3526	8·3	9 46 49·88	...	+2·3907	+0·009	...	−42 53 56·3	...	−16·757	−0·18	...	5	6·23	42.4100
3527	9·0	46 51·43	−0·01	2·3584	·009	−0·005	44 13 25·0	−0·1	16·758	·18	−0·04	3:4	8·14	44.4268
3528	9·6	47 4·08	...	2·2398	·009	...	48 39 23·6	...	16·768	·17	...	3	9·27	48.2754
3529	8·8	47 14·54	0·00	2·1678	·009	−0·002	51 2 5·5	0·0	16·777	·17	0·00	3	9·19	50.2801
3530	9·1	47 15·05	+0·01	2·2565	·009	+0·008	48 7 1·8	+0·1	16·777	·17	+0·12	2	9·26	48.2756
3531	7·3	9 47 27·40	−0·01	+2·3229	+0·009	−0·005	−45 43 33·7	0·0	−16·787	−0·18	+0·01	3	8·15	45.4120
3532	9·4	47 48·45	0·00	2·2322	·009	+0·006	49 3 14·9	0·0	16·804	·17	−0·05	3	9·23	48.2768
3533	7·0	47 48·85	−0·01	2·3156	·010	−0·006	46 4 43·1	−0·1	16·804	·18	−0·04	3	8·15	45.4130
3534	8·3	47 51·42	−0·01	2·3516	·009	−0·006	44 41 18·8	−0·1	16·806	·18	−0·03	3	8·16	44.4290
3535	9·0*	47 56·90	0·00	2·4174	·009	0·000	41 58 7·9	−0·1	16·810	·18	−0·02	5	6·22	41.4081
3536	9·0*	9 48 8·54	0·00	+2·3864	+ ·009	0·000	−43 19 41·6	+0·1	−16·819	−0·18	+0·02	5	6·27	43.4113
3537	9·3	48 39·88	−0·01	2·4626	·009	−0·002	40 4 40·5	0·0	16·844	·19	+0·01	5:6	6·63:6·58	39.3984
3538	9·3	48 42·45	...	2·3024	·010	...	46 44 31·7	...	16·846	·17	...	3:4	8·18:8·17	46.4010
3539	9·6	48 49·25	−0·01	2·2904	·010	−0·004	47 12 23·2	+0·1	16·852	·17	+0·05	3	8·14	47.3698
3540	8·3	48 58·82	0·00	2·1717	·009	−0·004	51 14 32·3	0·0	16·859	·16	−0·03	3	9·17	51.2712
3541	9·3	9 48 59·84	...	+2·3784	+0·010	...	−43 49 23·3	...	−16·860	−0·18	...	5	7·03	43.4132
3542	9·0	49 19·94	0·00	2·2337	·010	+0·005	49 17 46·0	0·0	16·876	·17	−0·02	3	9·21	49.2892
3543	8·0†	49 34·08	−0·03	2·4275	·009	−0·008	41 50 16·3	−0·2	16·887	·18	−0·04	5	6·24	41.4105
3544	9·5	49 37·53	...	2·4610	·009	...	40 20 3·0	...	16·890	·19	...	4	6·52	40.3990
3545	7·5†	49 40·46	−0·02	2·4384	·009	−0·006	41 22 33·6	−0·1	16·892	·18	−0·02	5	6·63	41.4107
3546	8·7†	9 49 51·00	...	+2·4464	+0·009	...	−41 3 2·6	...	−16·900	−0·18	...	4	7·22	40.3996
3547	9·5	49 53·47	...	2·2114	·010	...	50 9 5·9	...	16·902	·17	...	3	9·17	50.2843
3548	9·3	50 4·79	0·00	2·3998	·010	−0·001	43 8 32·8	+0·1	16·911	·18	+0·03	4	7·00	43.4153
3549	6·5*	50 10·11	0·00	2·1968	·010	−0·003	50 40 27·8	0·0	16·915	·16	−0·02	3	9·23	50.2848
3550	9·0	50 12·54	−0·03	2·3588	·010	−0·015	44 51 32·1	−0·1	16·917	·18	−0·06	3	8·16	44.4337
3551	8·0	9 50 16·30	−0·04	+2·4168	+0·010	−0·012	−42 26 42·3	−0·1	−16·920	−0·18	−0·02	4	6·99	42.4155
3552	9·1	50 17·13	...	2·2839	·010	...	47 43 39·8	...	16·921	·17	...	3:4	8·14	47.3720
3553	7·8	50 30·06	−0·02	2·3270	·010	−0·010	46 9 50·9	0·0	16·931	·17	0·00	3	8·18	46.4040
3554	8·2	50 35·09	+0·01	2·3506	·010	+0·006	45 15 31·7	+0·8	16·935	·18	+0·46	3	8·18	45.4184
3555	8·3	50 43·34	+0·01	2·2534	·010	+0·007	48 53 37·3	−0·1	16·941	·17	−0·07	3	9·21	48.2816
3556	8·3	9 50 57·92	−0·09	+2·4676	+0·009	−0·024	−40 17 21·9	+0·6	−16·953	−0·18	+0·17	5	6·27	40.4013
3557	8·9	50 59·95	−0·03	2·3755	·010	−0·014	44 20 15·7	+0·1	16·954	·18	+0·03	3	8·14	44.4348
3558	6·0*	51 8·11	0·00	2·2300	·010	−0·006	49 46 13·9	0·0	16·960	·17	0·00	3	9·17	49.2919
3559	9·5	51 13·08	...	2·3896	·010	...	43 47 37·4	...	16·964	·18	...	3	7·21	43.4176
3560	9·7†	51 18·53	...	2·3895	·010	...	43 49 2·1	...	16·969	·18	...	2	6·72	43.4178

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″		″	″	″			°
3561	9·0	9 51 47·95	...	+2·4389	+0·010	....	−41 46 13·2	...	−16·991	−0·18	...	5	6·85	41.4141
3562	8·6	52 1·89	0·00	2·1716	·010	−0·005	51 49 55·5	0·0	17·002	·16	+0·04	3	9·16	51.2778
3563	8·5	52 25·98	−0·01	2·3433	·010	−0·005	45 54 55·5	−0·1	17·021	·17	−0·07	4:5	8·15	45.4225
3564	7·8	52 30·65	−0·01	2·3082	·010	−0·006	47 16 43·1	−0·1	17·024	·17	−0·04	3	8·16	47.3752
3565	8·4	52 33·44	0·00	2·3266	·010	0·000	46 35 15·7	0·0	17·026	·17	+0·02	3	8·18	46.4070
3566	9·0	9 52 37·33	0·00	+2·2794	+0·010	−0·005	−48 21 0·3	0·0	−17·029	−0·17	−0·03	3	9·22	48.2844
3567	9·1†	52 44·97	...	2·4353	·010	...	42 7 9·5	...	17·035	·18	...	5	6·24	42.4198
3568	8·3	52 59·24	0·00	2·1927	·010	−0·001	51 21 20·5	0·0	17·046	·16	−0·02	3	9·19	51.2796
3569	9·3	53 18·66	...	2·4415	·010	...	41 57 25·2	...	17·061	·18	...	5	7·04	41.4166
3570	9·0	53 18·84	−0·02	2·4218	·010	−0·005	42 49 59·1	−0·4	17·061	·18	−0·11	5	6·62	42.4208
3571	8·8	9 53 22·38	−0·02	+2·3670	+0·010	−0·009	−45 9 21·9	0·0	−17·064	−0·17	+0·02	3	8·15	45.4246
3572	7·7	53 26·93	0·00	2·2546	·010	−0·005	49 23 38·8	0·0	17·067	·16	+0·01	3	9·23	49.2958
3573	9·0	53 41·12	+0·01	2·4146	·010	+0·002	43 13 22·3	−0·1	17·078	·18	−0·02	5	7·02	43.4217
3574	9·2	53 43·02	...	2·2316	·010	...	50 13 41·1	...	17·080	·16	...	3	9·21	50.2904
3575	9·0	53 49·19	...	2·4834	·010	...	40 6 31·3	...	17·084	·18	...	5	7·24	39.4068
3576	6·5	9 53 52·40	−0·01	+2·2977	+0·010	−0·005	−47 56 13·1	−0·1	−17·087	−0·17	−0·04	5:6	8·17	47.3775
3577	8·9	54 2·13	−0·03	2·3880	·010	−0·014	44 25 43·7	0·0	17·094	·17	+0·01	3	8·17	44.4397
3578	8·0*	54 37·73	−0·01	2·4705	·010	−0·002	40 52 54·0	−0·2	17·121	·18	−0·06	5	6·24	40.4074
3579	8·6	54 53·84	−0·01	2·2302	·011	−0·010	50 30 52·9	−0·1	17·134	·16	−0·10	3	9·19	50.2924
3580	9·0*	55 1·24	−0·02	2·4617	·010	−0·005	41 22 15·4	−0·2	17·139	·18	−0·08	4	6·98	41.4194
3581	9·0	9 55 4·80	−0·01	+2·4502	+0·010	−0·002	−41 54 58·6	−0·2	−17·142	−0·18	−0·05	4	6·72	41.4195
3582	9·9	55 5·81	...	2·4227	·010	...	43 9 26·5	...	17·143	·18	...	4	7·26	43.4242
3583	8·1	55 7·29	0·00	2·3026	·011	−0·005	48 0 40·3	−0·1	17·144	·17	−0·08	3	9·22	47.3791
3584	8·0	55 17·93	−0·02	2·3404	·011	−0·009	46 36 48·5	−0·1	17·152	·17	−0·03	3	8·15	46.4131
3585	9·0	55 18·33	...	2·4444	·010	...	42 13 36·0	...	17·152	·18	...	4	6·99	42.4240
3586	8·2	9 55 19·65	0·00	+2·3607	+0·011	−0·001	−45 48 56·9	0·0	−17·153	−0·17	0·00	3	8·16	45.4274
3587	9·0	55 29·95	0·00	2·3736	·011	+0·001	45 19 27·8	+0·1	17·161	·17	+0·07	3	8·18	45.4279
3588	9·0	55 32·48	0·00	2·3500	·011	−0·002	46 17 15·7	0·0	17·163	·17	+0·02	3	8·18	46.4133
3589	9·3	55 35·68	...	2·2856	·011	...	48 43 58·9	...	17·165	·17	...	3	9·26	48.2887
3590	8·5	55 50·10	0·00	2·2519	·011	−0·001	49 58 6·6	0·0	17·176	·16	−0·03	3	9·19	49.2992
3591	8·5	9 55 54·99	...	+2·4404	+0·010	...	−42 32 8·4	...	−17·180	−0·18	...	5	6·23	42.4249
3592	9·2	56 5·24	−0·02	2·3912	·011	−0·009	44 42 48·2	+0·1	17·187	·17	+0·07	3	8·16	44.4434
3593	8·8	56 5·46	+0·01	2·2782	·011	+0·007	49 5 53·1	0·0	17·188	·16	+0·04	3	9·23	48.2892
3594	9·6†	56 35·18	...	2·4547	·010	...	42 1 20·2	...	17·210	·18	...	4	6·23	41.4220
3595	9·3	56 36·45	0·00	2·2191	·011	−0·003	51 13 30·0	0·0	17·211	·16	−0·03	3	9·25	51.2879
3596	8·8	9 56 55·38	−0·01	+2·3359	+0·011	−0·003	−47 7 24·5	−0·1	−17·225	−0·17	−0·04	3	8·15	47.3809
3597	8·8	57 10·44	−0·02	2·3437	·011	−0·010	46 52 20·0	−0·1	17·236	·17	−0·07	3	8·16	46.4162
3598	8·2	57 11·92	−0·01	2·4052	·011	−0·003	44 21 4·8	−0·1	17·237	·17	−0·06	3	8·18	44.4452
3599	8·8	57 34·61	−0·01	2·2378	·011	−0·007	50 48 27·6	+0·1	17·254	·16	+0·07	3	9·19	50.2962
3600	7·5*	57 42·47	0·00	2·4602	·010	−0·001	42 0 12·2	0·0	17·260	·18	0·00	6	6·39	41.4238

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3601	8·5	9 57 51·95	...	+2·4722	+0·010	...	−41 28 26·5	...	−17·267	−0·18	...	5	6·83	41.4243
3602	9·5	57 52·77	...	2·4211	·011	...	43 48 34·9	...	17·268	·17	...	5	6·64	43.4288
3603	8·5	58 7·21	0·00	2·2566	·011	+0·003	50 16 45·6	0·0	17·278	·16	+0·03	3	9·23	50.2973
3604	9·0†	58 31·33	...	2·4832	·010	...	41 5 14·7	...	17·296	·18	...	4	7·00	40.4141
3605	9·3	58 37·47	0·00	2·5034	·010	+0·001	40 7 0·3	0·0	17·301	·18	−0·01	4	7·25	39.4150
3606	7·9	9 58 40·95	−0·01	+2·3127	+0·011	−0·008	−48 22 44·4	0·0	−17·303	−0·16	−0·02	3	9·19	48.2931
3607	9·5	58 55·19	...	2·4702	·011	...	41 47 18·8	...	17·314	·17	...	5	7·21	41.4255
3608	8·0	59 13·53	...	2·4377	·011	...	43 21 29·7	...	17·327	·17	...	5	6·63	43.4307
3609	9·0	59 13·69	...	2·3036	·011	...	48 50 9·0	...	17·327	·16	...	3	9·23	48.2940
3610	6·9	59 22·92	−0·01	2·3734	·011	−0·007	46 9 6·7	0·0	17·334	·17	−0·02	3	8·15	46.4193
3611	7·8	9 59 27·79	0·00	+2·2269	+0·011	−0·002	−51 33 48·4	0·0	−17·337	−0·16	+0·02	3	9·24	51.2924
3612	8·9	59 28·43	−0·01	2·4024	·011	−0·006	44 57 21·8	0·0	17·338	·17	0·00	3	8·16	44.4482
3613	8·4	59 33·93	0·00	2·3970	·011	−0·002	45 12 39·1	0·0	17·342	·17	0·00	3	8·17	45.4342
3614	8·9	59 40·61	−0·01	2·3840	·011	−0·005	45 46 34·3	0·0	17·347	·17	−0·01	3	8·21	45.4343
3615	9·2†	59 40·86	...	2·4534	·011	...	42 44 27·5	...	17·347	·17	...	4	6·48	42.4303
3616	8·8	9 59 51·44	−0·03	+2·5011	+ ·010	−0·010	−40 29 30·0	+0·1	−17·355	−0·18	+0·05	4	7·25	40.4159
3617	8·7	59 53·96	+0·01	2·3381	·011	+0·006	47 40 19·7	0·0	17·357	·16	−0·01	3	8·20	47.3854
3618	9·1	59 56·49	0·00	2·2857	·011	−0·004	49 38 11·1	0·0	17·359	·16	−0·02	3	9·24	49.3050
3619	9·0	59 56·76	−0·02	2·4639	·011	−0·006	42 18 38·3	−0·3	17·359	·17	−0·09	4	6·97	42.4305
3620	9·7	10 0 18·75	...	2·3019	·012	...	49 7 54·5	...	17·375	·16	...	3	9·25	49.3062
3621	8·9	10 0 30·39	0·00	+2·4249	+0·011	−0·001	−44 12 16·3	0·0	−17.383	−0·17	−0·02	3	8.15	44.4506
3622	9·6†	0 41·02	−0·01	2·4364	·011	−0·002	43 43 56·8	−0·2	17·391	·17	−0·08	4	6·97	43.4329
3623	7·8	0 43·23	0·00	2·2423	·012	−0·006	51 18 47·1	0·0	17·392	·15	−0·02	3	9·21	51.2938
3624	8·0	1 1·38	−0·01	2·3764	·012	−0·005	46 27 3·9	0·0	17·406	·16	−0·02	3	8·19	46.4215
3625	7·0*	1 3·56	0·00	2·4820	·011	0·000	41 41 10·6	0·0	17·407	·17	0·00	4	6·24	41.4290
3626	6·5*	10 1 15·57	0·00	+2·2599	+0·012	−0·006	−50 49 40·4	0·0	−17·416	−0·16	−0·01	3	9·24	50.3018
3627	8·5	1 19·65	−0·01	2·3554	·012	−0·003	47 18 12·3	−0·1	17·419	·16	−0·05	3	8·19	47.3877
3628	9·9	1 36·71	...	2·4592	·011	...	42 53 32·6	...	17·431	·17	...	4	7·24	42.4331
3629	8·5*	1 48·31	0·00	2·5119	·011	0·000	40 22 39·9	+0·2	17·440	·17	+0·06	4	6·97	40.4195
3630	8·0	1 55·90	−0·01	2·4787	·011	−0·003	42 2 16·5	−0·5	17·445	·17	−0·14	6	6·74	41.4307
3631	8·0	10 2 2·50	0·00	+2·2327	+0·012	−0·003	−51 55 10·1	0·0	−17·450	−0·15	−0·04	5	9·25	51.2964
3632*	5·3*	2 13·67	+0·01	2·3708	·012	+0·003	46 52 52·0	−0·1	17·458	·16	−0·07	5	8·19	46.4241
3633	9·0	2 19·64	−0·01	2·3390	·012	−0·010	48 9 59·9	0·0	17·462	·16	−0·02	3	9·24	48.2972
3634	8·5	2 27·70	0·00	2·2798	·012	−0·003	50 23 42·5	0·0	17·468	·16	−0·02	3	9·25	50.3033
3635	8·2	2 33·08	−0·02	2·4195	·012	−0·010	44 53 24·4	+0·1	17·472	·16	+0·03	3	8·15	44.4543
3636	8·5	10 2 51·76	−0·02	+2·5198	+0·011	−0·005	−40 12 24·9	+0·1	−17·485	−0·17	+0·03	4	6·72	40.4212
3637	8·5†	3 2·10	...	2·4872	·011	...	41 52 17·9	...	17·492	·17	...	5	6·83	41.4324
3638	8·9	3 19·18	−0·02	2·4047	·012	−0·010	45 42 13·5	0·0	17·504	·16	−0·02	3	8·17	45.4392
3639	8·9	3 28·07	0·00	2·4178	·012	0·000	45 10 9·6	−0·1	17·511	·16	−0·04	3	8·16	45.4396
3640	9·0	3 39·81	...	2·5029	·011	...	41 14 9·3	...	17·519	·17	...	5	6·63	41.4333

3632. $5^m·5, 7^m·1$ 0″·5 61° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3641	9·5	10 3 55·20	...	+2·3322	+0·012	...	−48 46 50·2	...	−17·530	−0·16	...	3	9·23	48.2995
3642	9·0†	4 19·70	...	2·5023	·011	...	41 25 1·8	...	17·547	·17	...	5	6·46	41.4341
3643	8·8	4 24·81	0·00	2·4374	·012	+0·002	44 30 48·7	0·0	17·551	·16	0·00	3	8·15	44.4577
3644	9·3	4 25·24	−0·01	2·3100	·012	−0·016	49 43 40·8	0·0	17·551	·16	+0·02	3	9·24	49.3123
3645	8·9	4 38·03	−0·01	2·3915	·012	−0·005	46 33 38·6	−0·1	17·560	·16	−0·05	3	8·16	46.4287
3646	7·3*	10 4 59·27	−0·02	+2·4682	+0·012	−0·004	−43 12 17·0	−0·2	−17·575	−0·17	−0·04	4	6·25	43.4408
3647	7·9	5 1·99	−0·01	2·3493	·012	−0·009	48 21 57·2	0·0	17·577	·16	−0·02	3	9·22	48.3010
3648	8·0	5 8·27	−0·01	2·3259	·012	−0·015	49 17 35·2	0·0	17·581	·16	+0·03	3	9·26	49.3142
3649	5·2*	5 8·79	0·00	2·2703	·012	−0·002	51 19 14·1	0·0	17·582	·15	−0·01	3	9·25	51.3008
3650	7·1	5 9·44	−0·01	2·3638	·012	−0·005	47 49 0·5	0·0	17·582	·16	0·00	3	8·20	47.3936
3651	8·6	10 5 11·80	−0·01	+2·3785	+0·012	−0·005	−47 13 45·4	−0·1	−17·584	−0·16	−0·04	3	8·20	47.3938
3652	9·2	5 13·25	−0·01	2·4847	·011	−0·003	42 28 54·9	−0·3	17·585	·17	−0·10	4	7·24	42.4378
3653	8·2	5 27·12	...	2·3049	·013	...	50 8 55·5	...	17·595	·15	...	3	9·24	50.3081
3654	8·0*	5 28·07	−0·02	2·5037	·011	−0·007	41 36 7·6	−0·2	17·595	·17	−0·06	4	6·72	41.4355
3655	8·9	6 0·73	−0·02	2·4091	·012	−0·010	46 7 43·5	0·0	17·618	·16	−0·02	3	8·15	46.4320
3656	8·4	10 6 1·71	−0·01	+2·4127	+0·012	−0·005	−45 58 39·1	−0·1	−17·619	−0·16	−0·08	3	8·20	45.4428
3657	9·5	6 2·79	−0·01	2·4573	·012	−0·003	43 58 29·5	0·0	17·619	·16	−0·01	4	6·73	43.4431
3658	7·8	6 6·33	+0·01	2·4285	·012	+0·004	45 17 49·2	0·0	17·622	·16	+0·02	3	8·21	45.4430
3659	9·0	6 20·05	−0·03	2·4977	·012	−0·010	42 5 57·8	−0·2	17·631	·17	−0·08	5	7·05	41.4364
3660	7·0*	6 25·30	0·00	2·5156	·011	0·000	41 13 9·1	−0·5	17·635	·17	−0·14	5	6·43	41.4365
3661	7·5	10 6 26·86	−0·01	+2·4410	+0·012	−0·005	−44 48 57·0	0·0	−17·636	−0·16	+0·02	3	8·19	44.4608
3662	7·9	7 48·69	...	2·4605	·012	...	44 14 11·4	...	17·693	·16	...	3	8·15	44.4629
3663	9·2	7 49·92	0·00	2·3410	·013	+0·001	49 19 53·0	+0·1	17·693	·15	+0·09	3	9·22	49.3198
3664	9·7	8 8·44	...	2·4034	·013	...	46 52 2·4	...	17·706	·16	...	3	8·17	46.4342
3665	8·4	8 12·97	0·00	2·3695	·013	+0·002	48 17 35·7	0·0	17·709	·15	−0·02	3	9·22	48.3067
3666	9·6	10 8 13·80	...	+2·3576	+0·013	...	−48 46 23·8	...	−17·710	−0·15	...	3	9·27	48.3068
3667	9·0	8 38·91	0·00	2·5460	·011	0·000	40 8 44·2	0·0	17·727	·17	0·00	4	6·99	40.4279
3668	8·9	8 40·32	0·00	2·3345	·013	−0·002	49 46 44·9	0·0	17·728	·15	+0·03	3	9·23	49.3210
3669	8·7	8 51·79	0·00	2·4565	·012	+0·002	44 40 22·7	0·0	17·736	·16	−0·02	3	8·15	44.4639
3670	8·9	8 55·20	−0·01	2·4343	·013	−0·004	45 41 48·5	+0·2	17·738	·16	+0·09	3	8·20	45.4467
3671	9·3	10 9 6·98	...	+2·4928	+0·012	...	−42 59 28·6	...	−17·746	−0·16	...	4	6·52	42.4435
3672	9·3	9 20·30	...	2·2814	·013	...	51 52 46·1	...	17·755	·15	...	3	9·23	51.3088
3673	9·3	9 26·07	−0·02	2·5423	·012	−0·007	40 31 44·6	+0·4	17·759	·16	+0·13	4	7·26	40.4293
3674	8·5	9 28·68	...	2·5195	·012	...	41 43 46·5	...	17·761	·16	...	4	7·22	41.4403
3675	6·0*	9 31·19	0·00	2·3143	·013	−0·006	50 44 13·2	0·0	17·762	·15	−0·05	3	9·26	50.3186
3676	8·5*	10 9 31·96	−0·02	+2·5036	+0·012	−0·005	−42 33 7·7	+0·2	−17·763	−0·16	+0·04	5	6·23	42.4443
3677	6·0*	9 37·77	−0·01	2·3007	·013	−0·009	51 15 37·1	0·0	17·767	·15	+0·01	3	9·25	51.3096
3678	8·8	9 39·26	...	2·5249	·012	...	41 29 32·0	...	17·768	·16	...	4	7·27	41.4405
3679	8·9	9 40·95	0·00	2·4264	·013	−0·002	46 13 46·1	−0·2	17·769	·16	−0·12	3	8·17	46.4365
3680	8·5*	9 51·10	− 0·02	2·5008	·012	−0·006	42 46 15·3	−0·2	17·776	·16	−0·05	4	6·97	42.4450

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3681	8·1	10 9 51·22	−0·02	+2·3975	+0·013	−0·009	−47 31 15·6	0·0	−17·776	−0·15	0·00	3	8·15	47.4027
3682	8·0	9 53·99	−0·02	2·4843	·012	−0·006	43 35 45·3	0·0	17·778	·16	−0·01	4	7·24	43.4504
3683	8·0	10 9·66	−0·03	2·5114	·012	−0·008	42 18 43·9	−0·1	17·788	·16	−0·04	4	6·74	42.4454
3684	9·0	10 32·44	−0·03	2·4101	·013	−0·015	47 8 57·9	0·0	17·804	·15	+0·01	3	8·20	47.4037
3685	8·8	10 35·98	...	2·3380	·013	...	50 5 45·8	...	17·806	·15	...	3	9·22	49.3247
3686	7·0*	10 10 37·23	−0·06	+2·5344	+0·012	−0·016	−41 13 48·3	−0·1	−17·807	−0·16	−0·02	6	6·30	41.4422
3687	8·5	10 38·15	0·00	2·4716	·013	0·000	44 22 55·8	0·0	17·807	·16	−0·01	3	8·20	44.4665
3688	7·5	10 41·11	−0·02	2·5221	·012	−0·006	41 53 10·0	0·0	17·809	·16	+0·01	4	6·74	41.4424
3689	8·3	11 36·18	0·00	2·3786	·014	+0·003	48 43 35·2	0·0	17·846	·15	+0·03	3	9·24	48.3132
3690	9·5	11 45·46	−0·03	2·4905	·013	−0·009	43 44 27·7	−0·2	17·852	·16	−0·05	5	6·63	43.4528
3691	8·0	10 11 46·64	0·00	+2·3281	+0·014	−0·006	−50 45 31·8	0·0	−17·853	−0·15	−0·03	3	9·22	50.3241
3692	7·5	11 52·09	0·00	2·3566	·014	−0·001	49 40 44·7	0·0	17·857	·15	−0·03	3	9·26	49.3270
3693	10·0	11 53·11	...	2·4629	·013	...	45 6 0·3	...	17·857	·16	...	3	8·15	44.4675
3694	8·4	11 59·83	0·00	2·3039	·014	+0·003	51 42·20·8	0·0	17·862	·14	−0·01	3	9·27	51.3138
3695	8·3	12 10·33	−0·01	2·4470	·013	−0·003	45 54 14·7	0·0	17·869	·15	+0·02	3	8·17	45.4514
3696	9·5	10 12 17·24	0·00	+2·5113	+0·012	+0·001	−42 49 35·9	+0·1	−17·873	−0·16	+0·03	4	6·51	42.4476
3697	8·1	12 24·26	0·00	2·3727	·014	−0·005	49 9 53·3	0·0	17·878	·15	−0·01	3	9·24	49.3279
3698	9·2	12 46·99	−0·01	2·5050	·013	−0·003	43 16 24·5	−0·2	17·893	·16	−0·07	5	7·20	43.4539
3699*	8·5*	12 57·57	−0·01	2·5490	·012	−0·004	41 0 50·0	+0·1	17·900	·16	+0·03	10	6·77	40.4329
3700	7·3	13 15·35	−0·02	2·4434	·013	−0·009	46 20 6·7	0·0	17·912	·15	−0·02	3	8·15	46.4411
3701	9·0	10 13 30·62	−0·01	+2·3565	+0·014	−0·009	−50 5 2·0	0·0	−17·921	−0·15	0·00	3	9·22	49.3307
3702	8·4	13 30·86	−0·01	2·4200	·014	−0·003	47 26 50·2	−0·1	17·922	·15	−0·04	3	8·17	47.4099
3703	8·0†	13 48·15	...	2·5699	·012	...	40 4 15·3	...	17·933	·16	...	5:4	6·26:6·27	39.4325
3704	8·6	13 51·06	−0·01	2·4125	·014	−0·006	47 51 10·2	−0·2	17·935	·15	−0·09	3	8·18	47.4105
3705	9·2	14 2·55	...	2·5365	·013	...	41 57 14·6	...	17·942	·16	...	5	7·20	41.4469
3706	8·3	10 14 3·35	0·00	+2·4041	+0·014	−0·002	−48 15 58·2	0·0	−17·943	−0·15	+0·01	3	9·24	48.3172
3707	6·5*	14 12·70	−0·01	2·5519	·012	−0·004	41 10 3·9	0·0	17·949	·16	−0·01	5	6·29	41.4470
3708	9·5	14 26·85	0·00	2·4837	·013	−0·002	44 44 29·9	+0·1	17·958	·15	+0·05	3	8·15	44.4709
3709	9·1	14 35·16	...	2·4906	·013	...	44 26 12·7	...	17·963	·15	...	3	8·17	44.4711
3710	8·3	14 44·62	...	2·4483	·014	...	46 29 25·2	...	17·970	·15	...	3	8·19	46.4420
3711	9·5	10 15 6·74	...	+2·5472	+0·013	...	−41 39 3·0	...	−17·984	−0·16	...	4	6·99	41.4481
3712	9·3	15 17·36	...	2·5048	·013	...	43 54 30·0	...	17·991	·15	...	4	7·23	43.4573
3713	8·5	15 18·08	−0·01	2·5256	·013	−0·003	42 50 34·1	+0·1	17·991	·15	+0·02	5	6·83	42.4519
3714	7·8	15 20·72	0·00	2·4801	·014	−0·002	45 8 40·7	0·0	17·993	·15	+0·01	3	8·19	45.4557
3715	7·9	15 25·12	−0·01	2·4685	·014	−0·004	45 42 57·9	−0·1	17·996	·15	−0·03	3	8·15	45.4558
3716	10·0†	10 15 52·12	...	+2·5556	+0·013	...	−41 22 44·8	...	−18·013	−0·16	...	4	6·75	41.4487
3717	6·7	16 12·03	0·00	2·4408	·014	−0·001	47 11 46·7	−0·1	18·026	·15	−0·03	3	8·17	47.4140
3718	9·6	16 12·13	0·00	2·3974	·014	−0·004	49 5 26·1	0·0	18·026	·15	+0·02	3	9·21	48.3214
3719	8·5*	16 12·39	−0·02	2·5320	·013	−0·005	42 44 11·3	−0·1	18·026	·15	−0·04	5	6·48	42.4531
3720	8·4	16 19·22	−0·01	2·3328	·015	−0·007	51 41 30·1	0·0	18·030	·14	−0·03	3	9·24	51.3212

3699. $9^m·2, 9^m·4$ $2'' \pm$ $315° \pm$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3721	9·3	10 16 22·03	0·00	+2·4997	+0·014	0·000	−44 26 21·5	−0·1	−18·032	−0·15	−0·04	3	8·15	44.4731
3722	7·5*	16 33·88	−0·02	2·5407	·013	−0·006	42 22 8·1	−0·1	18·040	·15	−0·03	5	6·28	42.4534
3723	9·1	16 34·45	...	2·3812	·015	...	49 51 11·7	...	18·040	·14	...	3	9·24	49.3361
3724	9·4	16 38·89	...	2·5766	·012	...	40 24 18·4	...	18·043	·16	...	5	7·25	40.4375
3725	9·0	16 53·34	...	2·5234	·013	...	43 21 43·4	...	18·052	·15	...	5	7·21	43.4598
3726	8·3	10 17 15·58	0·00	+2·3507	+0·015	−0·003	−51 14 42·4	0·0	−18·066	−0·14	0·00	3	9·21	51.3231
3727	9·9	17 16·48	...	2·4262	·015	...	48 7 37·3	...	18·067	·15	...	2	9·27	48.3228
3728	9·1	17 50·12	...	2·4575	·014	...	46 51 14·9	...	18·088	·15	...	3	8·15	46.4454
3729	6·0*	18 2·19	−0·02	2·5698	·013	−0·006	41 8 48·6	+0·2	18·095	·15	+0·04	5	6·23	41.4517
3730	8·5	18 3·41	0·00	2·4045	·015	+0·001	49 15 55·3	0·0	18·096	·14	0·00	3	9·23	49.3384
3731	8·0	10 18 6·64	0·00	+2·4160	+0·015	−0·004	−48 47 19·5	0·0	−18·098	−0·14	0·00	3	9·23	48.3241
3732	8·0	18 16·83	−0·01	2·4468	·015	−0·007	47 27 59·9	0·0	18·105	·15	0·00	3	8·15	47.4176
3733	9·0	18 36·32	−0·01	2·5009	·014	−0·007	44 57 54·2	0·0	18·117	·15	+0·01	3	8·18	44.4757
3734	8·1	18 44·29	0·00	2·3638	·015	+0·002	51 6 29·5	0·0	18·122	·14	0·00	3	9·25	50.3400
3735	9·0	18 55·28	+0·01	2·5465	·013	+0·003	42 40 3·1	+0·2	18·129	·15	+0·07	5	6·84	42.4574
3736	8·0	10 18 57·29	−0·01	+2·5905	+0·013	−0·003	−40 11 22·4	−0·2	−18·130	−0·15	−0·07	6	6·78	40.4413
3737	8·1	19 16·69	−0·01	2·4798	·014	−0·005	46 10 54·2	0·0	18·142	·15	0·00	3	8·15	46.4478
3738	8·7	19 17·83	...	2·5187	·014	...	44 14 28·9	...	18·143	·15	...	3	8·17	44.4764
3739	7·0	19 23·93	−0·05	2·5708	·013	−0·017	41 26 50·2	0·0	18·146	·15	−0·01	5	6·83	41.4542
3740	8·2	19 25·29	−0·02	2·3993	·015	−0·022	49 50 37·8	+0·1	18·147	·14	+0·09	3	9·21	49.3407
3741	9·5	10 19 33·71	...	+2·4881	+0·014	...	−45 51 10·1	...	−18·152	−0·15	...	3	8·19	45.4612
3742	8·0	19 33·82	0·00	2·5298	·014	0·000	43 44 10·2	−0·4	18·152	·15	−0·14	5	7·25	43.4636
3743	9·5	19 51·19	...	2·4546	·015	...	47 31 21·6	...	18·163	·14	...	3	8·21	47.4201
3744	8·5†	19 56·59	−0·03	2·5593	·013	−0·011	42 14 15·2	−0·2	18·167	·15	−0·08	4	7·04	42.4586
3745	8·0	19 58·14	0·00	2·5356	·014	−0·001	43 31 53·8	−0·3	18·167	·15	−0·09	4	6·99	43.4641
3746	9·3	10 20 6·48	0·00	+2·3876	+0·015	+0·005	−50 30 36·8	0·0	−18·173	−0·14	−0·04	3	9·24	50.3416
3747	8·8	20 14·88	−0·01	2·5888	·013	−0·004	40 38 2·8	−0·2	18·178	·15	−0·06	4	7·25	40.4431
3748	9·1	20 24·78	...	2·5074	·014	...	45 7 11·9	...	18·184	·15	...	3	8·15	44.4785
3749	9·2	20 29·92	...	2·3616	·016	...	51 39 16·4	...	18·187	·14	...	3	9·21	51.3287
3750	8·8	20 30·67	−0·02	2·4736	·015	−0·012	46 48 31·9	−0·1	18·187	·14	−0·06	3	8·22	46.4495
3751	8·9†	10 20 42·28	...	+2·5826	+0·013	...	−41 6 55·1	...	−18·195	−0·15	...	5	6·24	40.4437
3752	9·2	20 51·04	−0·01	2·4407	·015	−0·008	48 25 17·9	0·0	18·200	·14	0·00	3	9·25	48.3273
3753	9·3	20 53·16	0·00	2·5787	·013	−0·001	41 23 17·6	+0·2	18·201	·15	+0·06	4	7·24	41.4564
3754	6·0	20 59·61	−0·01	2·5693	·014	−0·003	41 57 32·7	−0·1	18·205	·15	−0·02	4	6·99	41.4566
3755	8·8	21 1·40	−0·01	2·5732	·014	−0·002	41 44 19·9	+0·2	18·206	·15	+0·07	4	7·32	41.4567
3756	8·7	10 21 17·25	0·00	+2·5207	+0·014	+0·001	−44 40 24·7	−0·2	−18·216	−0·15	−0·09	3	8·15	44.4796
3757	9·2	21 26·73	−0·01	2·5964	·013	−0·003	40 30 3·8	0·0	18·222	·15	0·00	5	7·28	40.4444
3758	6·5*	21 53·14	−0·05	2·5688	·014	−0·017	42 13 43·4	−0·3	18·238	·15	−0·09	5	7·06	42.4611
3759	8·0*	22 8·77	−0·03	2·5582	·014	−0·008	42 53 41·1	−0·3	18·247	·15	−0·07	5	6·21	42.4615
3760	7·3	22 35·25	0·00	2·4783	·015	−0·002	47 8 56·7	−0·1	18·263	·14	−0·08	3	8·15	47.4238

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3761	8·5	10 22 47·01	0·00	+2·3955	+0·016	−0·001	−50 53 56·4	0·0	−18·270	−0·14	+0·02	3	9·21	50.3448
3762	9·5	22 52·12	...	2·5371	·014	...	44 14 26·2	...	18·273	·14	...	3	8·16	44.4824
3763	9·1	23 1·75	−0·01	2·5195	·015	−0·007	45 12 52·4	+0·1	18·279	·14	+0·07	3	8·18	45.4660
3764	8·6	23 4·22	...	2·4351	·016	...	49 16 41·3	...	18·280	·14	...	3	9·23	49.3467
3765	9·0	23 11·51	...	2·4160	·016	...	50 8 39·3	...	18·285	·14	...	3	9·26	50.3459
3766	7·3†	10 23 25·90	−0·01	+2·5476	+0·014	−0·003	−43 49 54·5	−0·1	−18·293	−0·14	−0·02	5	6·51	43.4681
3767	8·1	23 32·73	−0·01	2·5341	·015	−0·006	44 35 17·2	−0·1	18·297	·14	−0·06	3	8·15	44.4836
3768	8·0*	23 39·52	−0·03	2·5898	·014	−0·009	41 29 58·0	−0·2	18·302	·15	−0·06	5	6·23	41.4606
3769	8·2	23 52·77	−0·01	2·4516	·016	−0·007	48 45 32·8	0·0	18·309	·14	−0·02	3	9·24	48.3305
3770	8·6	24 12·91	0·00	2·4319	·016	−0·004	49 44 7·7	0·0	18·321	·14	0·00	3	9·25	49.3480
3771	7·7	10 24 13·47	0·00	+2·5097	+0·015	−0·001	−46 2 58·7	0·0	−18·322	−0·14	−0·01	3	8·16	45.4675
3772	7·0	24 25·86	−0·02	2·5618	·014	−0·008	43 19 39·9	0·0	18·329	·14	−0·01	5	7·20	43.4697
3773	8·3	24 29·94	0·00	2·4147	·016	−0·004	50 33 38·8	0·0	18·331	·13	+0·01	3	9·24	50.3475
3774	10·0*	24 35·00	−0·01	2·5899	·014	−0·003	41 44 59·9	0·0	18·334	·14	−0·01	4:5	6·28:6·30	41.4616
3775	8·8	24 45·11	+0·01	2·4746	·016	+0·005	47 55 46·6	0·0	18·340	·14	+0·01	3	8·15	47.4262
3776	8·8	10 24 59·93	0·00	+2·4655	+0·016	−0·006	−48 25 37·3	0·0	−18·349	−0·14	−0·03	3	9·28	48.3323
3777	9·0	25 1·44	0·00	2·5165	·015	−0·001	45 55 38·0	−0·1	18·350	·14	−0·06	3	8·16	45.4685
3778	7·0*	25 19·74	−0·02	2·5801	·014	−0·006	42 32 20·4	−0·3	18·361	·14	−0·07	5	6·24	45.4654
3779	8·8	25 22·15	−0·01	2·5660	·015	−0·003	43 21 32·3	−0·4	18·362	·14	−0·13	5	7·21	43.4706
3780	8·4	25 26·13	...	2·5100	·016	...	46 22 39·1	...	18·364	·14	...	3	8·18	46.4563
3781	8·6	10 25 44·43	+0·01	+2·4053	+0·017	+0·007	−51 18 1·5	0·0	−18·375	−0·13	−0·04	3	9·21	51.3342
3782	8·8	25 54·41	...	2·4969	·016	...	47 10 20·9	...	18·381	·14	...	3	8·19	47.4273
3783	9·1	25 55·94	+0·01	2·5320	·015	+0·004	45 22 34·3	−0·1	18·382	·14	−0·05	3	8·20	45.4696
3784	9·5	26 4·22	...	2·5919	·014	...	42 3 7·5	...	18·387	·14	...	5	7·06	41.4635
3785	9·1	26 12·84	...	2·3946	·017	...	51 52 50·0	...	18·392	·13	...	3	9·27	51.3351
3786	9·9	10 26 37·85	...	+2·4508	+0·017	...	−49 34 20·2	...	−18·406	−0·13	...	3	9·26	49.3516
3787	9·0	26 44·07	...	2·5926	·014	...	42 11 56·4	...	18·410	·14	...	4	7·22	42.4679
3788	8·7	26 45·63	−0·04	2·6009	·014	−0·010	41 42 25·4	−0·1	18·410	·14	−0·02	4	6·50	41.4645
3789	8·7	27 7·48	0·00	2·5479	·015	+0·002	44 52 8·7	−0·1	18·423	·14	−0·04	3	8·15	44.4885
3790	8·5	27 14·62	0·00	2·6260	·014	0·000	40 17 48·9	0·0	18·427	·14	+0·01	4	7·24	40.4502
3791	8·0	10 27 26·66	−0·01	+2·5658	+0·015	−0·004	−43 58 15·1	−0·1	−18·434	−0·14	−0·02	13	7·22	43.4728
3792	9·3	27 35·16	...	2·6126	·014	...	41 14 15·3	...	18·439	·14	...	3	7·22	41.4659
3793	8·4	27 59·37	0·00	2·4728	·017	−0·005	48 56 14·4	0·0	18·453	·13	+0·05	5	9·25	48.3354
3794	9·1	28 2·67	−0·01	2·5526	·016	−0·004	44 52 50·8	−0·1	18·455	·14	−0·06	3	8·15	44.4905
3795	7·0	28 16·21	−0·01	2·5676	·015	−0·004	44 6 10·5	−0·1	18·462	·14	−0·04	5	8·20	43.4737
3796	8·9	10 28 17·33	−0·01	+2·4492	+0·017	−0·007	−50 7 9·4	0·0	−18·463	−0·13	+0·01	3	9·21	49.3538
3797	8·5	28 27·40	−0·01	2·5858	·015	−0·004	43 6 45·6	−0·3	18·469	·14	−0·09	5	6·45	42.4696
3798	9·8	28 36·83	−0·01	2·4366	·017	−0·019	50 46 42·6	0·0	18·474	·13	−0·05	3	9·26	50.3522
3799	8·5	28 42·26	0·00	2·4202	·017	+0·005	51 30 45·5	−0·1	18·477	·13	−0·10	3	9·23	51.3381
3800	8·9	28 43·19	...	2·5180	·016	...	46 55 14·4	...	18·478	·13	...	3	8·19	46.4607

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3801	8·5	10 28 53·87	...	+2·5404	+0·016	...	−45 47 59·8	...	−18·484	−0·14	...	3	8·20	45.4743
3802	9·1	29 0·61	+0·01	2·5063	·017	+0·003	47 36 41·2	0·0	18·488	·13	0·00	3	8·16	47.4304
3803	8·8	29 12·18	...	2·4705	·017	...	49 24 24·6	...	18·494	·13	...	3	9·21	49.3556
3804	9·0	29 21·97	...	2·5362	·016	...	46 9 31·1	...	18·500	·13	...	3	8·19	46.4620
3805	8·6	29 46·67	−0·02	2·5224	·017	−0·012	47 0 52·0	−0·2	18·513	·13	−0·11	3	8·18	46.4625
3806	8·4	10 29 54·72	...	+2·5564	+0·016	...	−45 13 33·9	...	−18·518	−0·14	...	3	8·18	45.4757
3807	9·0	30 5·97	...	2·6308	·014	...	40 49 47·6	...	18·524	·14	...	5	6·84	40.4549
3808	8·5	30 16·99	−0·01	2·6254	·015	−0·002	41 13 58 9	+0·1	18·530	·14	+0·02	5	6·83	41.4694
3809	9·0	30 32·66	0·00	2·5836	·016	−0·001	43 52 1·1	−0·2	18·539	·14	−0·08	5	7·07	43.4784
3810	9·0	30 35·13	...	2·6379	·014	...	40 31 2·6	...	18·540	·14	...	5	7·26	40.4557
3811	9·4	10 30 35·61	...	+2·5772	+0·016	...	−44 15 15·8	...	−18·541	−0·13	...	3	8·16	44.4937
3812	9·0	30 40·49	...	2·6020	·015	...	42 48 8·8	...	18·543	·14	...	5	7·26	42.4718
3813	8·5	30 45·33	0·00	2·4692	·018	+0·002	49 55 30·6	0·0	18·546	·13	−0·02	3	9·21	49.3569
3814	6·5*	30 50·36	−0·02	2·5971	·015	−0·006	43 8 54·0	−0·1	18·549	·14	−0·02	7	6·45	43.4794
3815	9·3	30 52·76	0·00	2·5134	·017	−0·001	47 48 27·7	−0·1	18·550	·13	−0·07	3	8·16	47.4334
3816	8·8	10 30 56·91	0·00	+2·6077	+0·015	−0·001	−42 32 8·4	−0·1	−18·552	−0·14	−0·03	5	6·53	42.4719
3817	9·3	31 17·36	...	2·4870	·017	...	49 14 24·2	...	18·564	·13	...	3	9·23	49.3578
3818	7·7	31 40·87	0·00	2·5003	·017	−0·005	48 42 47·4	0·0	18·577	·13	−0·04	3	9·21	48.3397
3819	8·0	31 44·76	0·00	2·4544	·018	0·000	50 54 38·6	0·0	18·579	·13	0·00	3	9·26	50.3570
3820	7·6	32 28·86	−0·01	2·5432	·017	−0·004	46 44 10·8	−0·1	18·603	·13	−0·03	3	8·15	46.4664
3821	8·9	10 32 29 90	−0·01	+2·4444	+0·018	−0·008	−51 35 3·2	0·0	−18·603	−0·12	0·00	3	9·23	51.3442
3822	8·1	32 50·35	0·00	2·4735	·018	−0·002	50 21 32·2	0·0	18·615	·13	−0·03	3	9·23	50.3584
3823	8·3	32 54·05	−0·01	2·5773	·016	−0·005	44 57 43·9	0·0	18·617	·13	0·00	5	8·19	44.4971
3824	8·0	33 1·56	−0·01	2·5346	·017	−0·003	47 22 8·7	0·0	18·620	·13	0·00	3	8·18	47.4371
3825	8·0	33 10·47	...	2·5639	·017	...	45 48 32·5	...	18·625	·13	...	3	8·22	45.4801
3826	8·8	10 33 17·99	0·00	+2·5718	+0·017	−0·002	−45 24 0·0	0·0	−18·629	−0·13	−0·02	3	8·15	45.4803
3827	8·7†	33 43·62	...	2·6286	·015	...	44 4 47·7	...	18·643	·13	...	4	6·32	41.4726
3828	9·5	33 43·66	0·00	2·5225	·018	−0·006	48 13 5·1	0·0	18·643	·13	+0·03	3	9·21	48.3421
3829	8·0*	33 56·82	+0·01	2·6003	·016	+0·003	43 55 4·2	−0·2	18·650	·13	−0·07	4	6·76	43.4840
3830	8·0	34 21·23	−0·01	2·6607	·015	−0·004	40 9 3·4	−0·2	18·663	·13	−0·08	16	6·98	40.4609
3831	8·5	10 34 23·32	−0·01	+2·6194	+0 016	−0·004	−42 52 31·2	−0·2	−18·664	−0·13	−0·07	4	7·00	42.4760
3832	6·5*	34 26·71	−0·01	2·6299	·016	−0·005	42 13 57·8	−0·1	18·666	·13	−0·03	4	7·03	42.4761
3833	8·3	34 38·01	+0·01	2·5663	·017	+0·005	46 8 8·2	−0·1	18·672	·13	−0·04	3	8·16	46.4696
3834	8·6	34 43·70	+0·01	2·5977	·016	+0·006	44 19 45·5	0·0	18·675	·13	−0·02	3	8·19	44.4989
3835	9·3	34 47·15	...	2·6410	·015	...	41 36 46·4	...	18·677	·13	...	4	6·78	41.4741
3836	9·3	10 34 49·02	...	+2·5496	+0·017	...	−47 7 10·6	...	−18·678	−0·13	...	3	8·21	46.4698
3837	8·7	35 13·97	0·00	2·4805	·019	−0·002	50 46 36·5	0·0	18·691	·12	−0·01	3	9·21	50.3613
3838	9·5	35 20·22	...	2·5082	·018	...	49 27 30·7	...	18·694	·12	...	3	9·24	49.3632
3839	8·0*	35 21·14	0·00	2·6397	·016	0·000	41 52 50·4	−0·1	18·695	·13	−0·03	5	6·25	41.4746
3840	8·1	35 30·43	0·00	2·5284	·018	+0·004	48 28 32·7	0·0	18·700	·13	0·00	3	9·24	48.3443

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3841	9·5	10 35 36·31	−0·01	+2·5412	+0·018	−0·003	−47 49 43·6	+0·1	−18·703	−0·13	+0·04	3	8·19	47.4408
3842	9·0*	35 44·74	−0·01	2·6313	·016	−0·004	42 33 32·7	0·0	18·707	·13	0·00	4	6·79	42.4779
3843	7·3	35 51·03	0·00	2·4635	·019	−0·005	51 45 44·9	0·0	18·711	·12	+0·01	3	9·27	51.3482
3844	9·0*	35 51·66	−0·03	2·6674	·015	−0·009	40 9 45·2	+0·1	18·711	·13	+0·02	4	6·58	40.4632
3845	7·4	35 57·84	0·00	2·5650	·018	−0·002	46 38 19·5	−0·1	18·714	·13	−0·03	3	8·16	46.4720
3846	8·3*	10 36 17·50	−0·01	+2·6235	+0·016	−0·005	−43 14 7·2	−0·3	−18·724	−0·13	−0·11	4	7·25	43.4867
3847	8·5	36 17·57	...	2·5797	·017	...	45 54 24·2	...	18·724	·13	...	3	8·21	45.4848
3848	9·0*	36 53·50	+0·01	2·6337	·016	+0·003	42 46 0·8	0·0	18·743	·13	+0·01	5	6·25	42.4793
3849	7·9	37 21·42	−0·02	2·5966	·017	−0·013	45 14 48·7	0·0	18·757	·13	+0·02	3	8·16	45.4855
3850	8·9	37 38·16	0·00	2·5177	·019	−0·002	49 43 4·3	0·0	18·766	·12	−0·02	3	9·21	49.3657
3851	9·0*	10 37 41·41	−0·03	+2·6440	+0·016	−0·007	−42 21 18·1	+0·1	−18·768	−0·13	+0·02	5	6·35	42.4806
3852	9·2	37 48·42	...	2·5862	·018	...	46 1 23·5	...	18·771	·12	...	3	8·19	45.4864
3853	9·3	38 7·41	...	2·5030	·019	...	50 36 8·9	...	18·781	·12	...	3	9·27	50.3646
3854*	9·0	38 10·41	0·00	2·6095	·017	+0·002	44 44 11·9	+0·1	18·783	·12	+0·08	4	8·22	44.5033
3855	9·0*	38 17·80	−0·02	2·6238	·017	−0·005	43 52 25·0	−0·3	18·786	·13	−0·07	5	6·27	43.4886
3856	9·3	10 38 18·86	...	+3·5162	+0·019	...	−50 1 9·8	...	−18·787	−0·12	...	3	9·26	49.3661
3857	9·5	38 25·15	...	2·6161	·017	...	44 24 23·5	...	18·790	·12	...	3	8·20	44.5038
3858	8·4	38 48·34	0·00	2·5557	·019	−0·002	48 5 43·9	0·0	18·802	·12	−0·03	5	9·23	47.4447
3859	8·5	39 11·14	0·00	2·5427	·019	−0·004	48 55 46·4	0·0	18·813	·12	−0·03	3	9·23	48.3477
3860	9·1	39 26·79	0·00	2·5034	·020	+0·005	51 2 6·4	0·0	18·821	·12	+0·02	3	9·28	50.3664
3861	8·5*	10 39 29·66	−0·01	+2·6402	+0·017	−0·003	−43 13 20·6	−0·3	−18·821	−0·12	−0·08	5	6·32	43.4902
3862	8·7	39 31·96	...	2·5669	·019	...	47 42 53·0	...	18·824	·12	...	3	8·16	47.4455
3863	9·1	39 42·59	0·00	2·5834	·018	0·000	46 50 1·7	0·0	18·829	·12	−0·01	3	8·19	46.4791
3864	9·4	39 54·80	...	2·5943	·018	...	46 15 5·9	...	18·835	·12	...	3	8·22	46.4794
3865	9·0	39 55·92	−0·01	2·6671	·016	−0·002	41 31 50·1	+0·1	18·836	·13	+0·02	5	6·83	41.4822
3866	8·5	10 39 59·36	...	+2·4942	+0·020	...	−51 39 40·6	...	−18·838	−0·12	...	3	9·30	51.3530
3867	8·6	40 0·05	0·00	2·6042	·018	+0·002	45 40 54·6	+0·1	18·838	·12	+0·06	3	8·22	45.4886
3868	8·4	40 2·85	+0·02	2·5410	·019	+0·029	49 18 57·1	0·0	18·839	·12	−0·01	3	9·22	49.3682
3869	8·5*	40 22·01	−0·01	2·6415	·017	−0·003	43 25 56·3	−0·5	18·849	·12	−0·16	4	6·74	43.4912
3870	9·3	40 39·68	−0·02	2·6814	·016	−0·008	40 45 17·6	+1·0	18·858	·12	+0·35	4	7·27	40.4700
3871	9·0	10 40 46·32	...	+2·6600	+0·017	...	−42 18 50·6	...	−18·861	−0·12	...	4	6·58	42.4844
3872	9·3	40 57·12	...	2·5876	·019	...	47 0 28·9	...	18·866	·12	...	3	8·16	46.4804
3873	9·1	41 6·84	...	2·6275	·018	...	44 36 13·1	...	18·871	·12	...	3	8·19	44.5058
3874	7·0*	41 21·05	−0·01	2·6890	·016	−0·004	40 26 50·5	−0·2	18·878	·12	−0·05	4	6·53	40.4709
3875	8·9	41 22·31	+0·01	2·6190	·018	+0·003	45 13 59·0	0·0	18·879	·12	−0·02	3	8·22	45.4902
3876	9·0	10 41 53·53	...	+2·5424	+0·020	...	−49 52 30·2	...	−18·894	−0·12	...	3	9·22	49.3702
3877	8·7	42 5·54	0·00	2·5297	·020	−0·003	50 39 54·1	0·0	18·900	·12	−0·03	3	9·23	50.3692
3878	9·1†	42 18·71	...	2·6755	·017	...	41 45 41·8	...	18·906	·12	...	5	6·33	41.4863
3879*	3·0*	42 28·05	0·00	2·5640	·020	+0·005	48 53 30·5	0·0	18·911	·12	−0·06	3	9·26	48.3516
3880	8·5*	42 29·27	0·00	2·6478	·017	+0·001	43 45 3·1	−0·3	18·911	·12	−0·08	5	6·69	43.4937

3854. $9^m·5$, $10^m·0$ 3″·0 224° Mass observed.

3879. $3^m·0$, $7^m·3$ 2″·5 62° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3881	9·3	10 42 42·71	0·00	+2·6309	+0·018	+0·001	−44 56 43·9	0·0	−18·918	−0·12	−0·02	3	8·17	44.5075
3882	8·8	42 47·69	...	2·6442	·018	...	44 5 55·6	...	18·920	·12	...	3	8·19	43.4940
3883	9·0	43 25·52	...	2·6207	·019	...	45 51 55·6	...	18·938	·12	...	3	8·22	45.4929
3884	8·8†	43 53·13	...	2·6879	·017	...	41 25 4·4	...	18·951	·12	...	5	6·34	41.4886
3885	9·3	43 56·57	...	2·5461	·021	...	50 23 49·3	...	18·953	·11	...	3	9·22	50.3706
3886	8·5	10 43 59·06	0·00	+2·5198	+0·021	+0·001	−51 46 35·1	0·0	−18·954	−0·11	+0·05	3	9·25	51.3591
3887	8·8	44 4·07	...	2·6140	·019	...	46 30 35·2	...	18·957	·12	...	3	8·17	46.4852
3888	8·3	44 7·49	0·00	2·5309	·021	−0·005	51 15 48·1	0·0	18·958	·11	−0·02	3	9·26	51.3595
3889	8·9	44 14·10	0·00	2·6456	·018	0·000	44 31 30·6	−0·1	18·961	·12	−0·04	3	8·25	44.5097
3890	7·5	44 16·26	−0·03	2·5937	·020	−0·016	47 49 22·7	+0·1	18·962	·11	+0·04	5	8·20	47.4505
3891	9·0	10 44 16·32	−0·01	+2·6694	+0·017	−0·003	−42 53 37·4	0·0	−18·962	−0·12	+0·01	4	6·77	42.4884
3892	7·8	44 20·80	−0·02	2·6042	·019	−0·010	47 13 19·7	0·0	18·965	·12	+0·02	3	8·23	47.4506
3893	9·2	44 44·43	0·00	2·5834	·020	−0·002	48 35 59·8	0·0	18·976	·11	−0·06	3	9·28	48.3549
3894	8·0	44 45·60	0·00	2·6222	·019	0·000	46 14 58·5	0·0	18·976	·12	−0·01	3	8·17	46.4861
3895	9·0	44 48·81	...	2·6669	·018	...	43 16 17·4	...	18·978	·12	...	4:3	7·24:7·25	43.4956
3896	8·9	10 44 52·99	0·00	+2·5762	+0·020	0·000	−49 4 10·8	−0·1	−18·980	−0·11	−0·08	3	9·22	48.3552
3897	7·5*	44 56·71	−0·03	2·6874	·017	−0·010	41 50 21·5	0·0	18·981	·12	−0·01	4	7·25	41.4905
3898	8·0*	44 57·89	−0·02	2·6950	·017	−0·006	41 16 40·3	−0·4	18·982	·12	−0 1c	4	6·36	41.4906
3899	9·6	46 15·95	...	2·5793	·021	...	49 24 4·7	...	19·018	·11	...	3	9·22	49.3766
3900	8·8	46 26·75	0·00	2·5701	·021	+0·004	49 59 24·4	−0·1	19·023	·11	−0·08	3	9·24	49.3771
3901	9·3	10 46 28·62	...	+2·6615	+0·018	...	−44 16 20·9	...	−19·024	−0·11	...	3	8·19	44.5125
3902	9·0	46 35·03	0·00	2·6492	·019	−0·002	45 9 3·6	0·0	19·027	·11	−0·02	3	8·18	45.4962
3903	8·5	46 43·35	0·00	2·5555	·021	−0·001	50 53 44·3	0·0	19·031	·11	+0·06	3	9·26	50.3744
3904	9·0*	47 2·66	−0·01	2·7054	·017	−0·003	41 15 20·6	−0·3	19·040	·12	−0·07	5	6·26	41.4939
3905	9·4	47 25·35	...	2·6155	·020	...	47 39 35·9	...	19·050	·11	...	3	8·17	47.4549
3906	9·3	10 47 26·91	...	+2·6571	+0·019	...	−44 56 26·9	...	−19·051	−0·11	...	3	8·21	44.5142
3907	7·0	47 31·47	0·00	2·6004	·021	+0·001	48 37 31·1	0·0	19·053	·11	−0·05	3	9·22	48.3584
3908	9·0	47 40·49	−0·01	2·6849	·018	−0·005	43 2 17·4	−0·2	19·057	·11	−0·06	5	7·24	42.4917
3909	9·5	48 0·72	...	2·6410	·020	...	46 15 5·6	...	19·066	·11	...	3	8·21	46.4906
3910	8·3	48 1·10	0·00	2·5504	·022	−0·004	51 39 25·5	0·0	19·066	·11	0·00	3	9·24	51.3645
3911	9·5	10 48 1·10	...	+2·6240	+0·020	...	−47 21 17·5	...	−19·066	−0·11	...	3	8·29	47.4555
3912	8·1	48 7·60	−0·01	2·6500	·019	−0·005	45 41 10·0	−0·1	19·069	·11	−0 03	3	8·23	45.4984
3913	9·8†	48 10·62	...	2·6892	·018	...	42 55 4·6	...	19·070	·11	...	5	6·33	42.4922
3914	8·7†	48 14·71	...	2·7255	·017	...	40 6 34·1	...	19·072	·11	...	5	6·29	39.4738
3915	9·0†	48 15·33	...	2·7166	·017	...	40 50 0·1	...	19·073	·11	...	5	6·70	40.4805
3916	8·3	10 48 33·54	−0·01	+2·6351	+0·020	−0·006	−46 51 7·2	0·0	−19·081	−0·11	+0·02	3	8·17	46.4909
3917	8·5*	48 59·14	−0·06	2·6804	·019	−0·017	43 52 46·6	−0·1	19·092	·11	−0·04	5	6·50	43.4994
3918	8·8	49 6·54	−0·01	2·5859	·022	−0·008	50 5 47·6	0·0	19·095	·11	0·00	3	9·22	49.3796
3919	8·0v	49 17·65	−0·04	2·6992	·018	−0·012	42 35 5·5	−0·2	19·100	·11	−0·05	5	6·35	42·4940
3920	7·9	49 22·96	0·00	2·5724	·022	−0·006	50 58 0·8	0·0	19·103	·11	−0·01	5	9·26	50.3761

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3921	9·3	10 49 31·64	...	+2·6600	+0·020	...	−45 32 43·0	...	−19·107	−0·11	...	3	8·18	45.5001
3922	8·8	49 36·97	0·00	2·6108	·021	−0·005	48 47 55·2	−0·1	19·109	·11	−0·12	3	9·26	48.3599
3923	9·1†	49 41·35	...	2·6940	·018	...	43 8 53·5	...	19·111	·11	...	5	6·30	43.5000
3924	8·8	49 58·21	0·00	2·6782	·019	−0·002	44 25 36·5	0·0	19·118	·11	−0·02	3	8·17	44.5186
3925	9·0	50 7·11	0·00	2·6064	·021	+0·006	49 15 56·4	−0·1	19·122	·11	−0·08	3	9·24	49.3803
3926	7·5	10 50 11·16	...	+2·7178	+0·018	...	−41 29 4·8	...	−19·124	−0·11	...	5	6·69	41.4985
3927	9·1	50 15·79	...	2·6709	·019	...	45 4 13·1	...	19·126	·11	...	3	8·22	44.5192
3928	8·6	50 25·75	0·00	2·6579	·020	−0·002	46 3 0·3	0·0	19·130	·11	0·00	3	8·20	45.5008
3929	6·4†	50 28·84	−0·03	2·7164	·018	−0·007	41 43 4·7	−0·1	19·132	·11	−0·02	5	6·34	41.4992
3930	6·8†	50 55·92	−0·02	2·7090	·018	−0·006	42 29 14·7	0·0	19·143	·11	−0·01	5	6·32	42.4959
3931	9·5	10 50 56·31	...	+2·7371	+0·017	...	−40 11 50·7	...	−19·144	−0·11	...	5	7·25	40.4842
3932	9·8	51 7·97	...	2·6279	·021	...	48 19 27·5	...	19·149	·11	...	3	9·24	48.3617
3933	9·0*	51 11·01	−0·01	2·6935	·019	−0·003	43 46 35·8	−0·4	19·150	·11	−0·15	5	7·25	43.5015
3934*	8·2	51 26·83	0·00	2·6494	·021	+0·001	47 2 27·0	−0·1	19·157	·11	−0·06	3	8·16	46.4944
3935	9·3	51 31·66	...	2·7159	·018	...	42 10 57·1	...	19·159	·11	...	4	6·81	42.4969
3936	9·4†	10 51 32·96	...	+2·7301	+0·018	...	−41 1 44·0	...	−19·159	−0·11	...	5	6·69	40.4848
3937	9·4	51 36·16	...	2·7079	·019	...	42 50 35·4	...	19·161	·11	...	4	7·03	42.4970
3938	8·9	51 58·03	...	2·6542	·021	...	46 55 20·4	...	19·170	·10	...	3	8·20	46.4953
3939	8·3	52 4·62	−0·01	2·6419	·021	−0·006	47 47 51·7	0·0	19·173	·10	+0·01	3	8·23	47.4603
3940	8·9	52 6·46	0·00	2·6118	·022	−0·001	49 43 31·3	0·0	19·174	·10	−0·06	3	9·22	49.3834
3941	8·5*	10 52 10·56	−0·06	+2·7448	+0·017	−0·016	−40 2 12·6	−0·5	−19·175	−0·11	−0·13	5	6·25	39.4785
3942	9·3	52 21·63	...	2·6611	·021	...	46 36 49·9	...	19·180	·10	...	3	8·16	46.4959
3943	7·0	52 46·31	−0·01	2·6079	·023	−0·009	50 13 50·9	0·0	19·191	·10	−0·02	3	9·21	50.3802
3944	9·0†	52 49·81	...	2·7260	·018	...	41 53 38·6	...	19·192	·11	...	5	6·36	41.5020
3945	8·8	53 1·52	0·00	2·6317	·022	0·000	48 51 3·4	0·0	19·197	·10	+0·06	3	9·25	48.3628
3946	8·8	10 53 3·39	0·00	+2·5920	+0·023	−0·004	−51 17 34·4	0·0	−19·198	−0·10	+0·05	3	9·24	51.3712
3947	8·8	53 3·42	0·00	2·6751	·020	0·000	45 54 8·6	0·0	19·198	·10	+0·02	3	8·20	45.5060
3948	7·3	53 9·07	−0·01	2·6834	·020	−0·007	45 20 27·8	0·0	19·200	·10	0·00	3	8·20	45.5062
3949	8·9	53 22·93	0·00	2·6922	·020	−0·002	44 46 42·6	0·0	19·206	·10	−0·01	3	8·18	44.5235
3950	8·0	53 52·85	0·00	2·6999	·020	−0·001	44 23 57·9	0·0	19·218	·10	+0·02	3	8·21	44.5242
3951	8·3*	10 54 8·29	0·00	+2·7426	+0·018	0·000	−41 2 3·7	−0·2	−19·225	−0·10	−0·05	5	6·25	40.4873
3952	9·1	54 9·71	...	2·7139	·019	...	43 25 28·9	...	19·225	·10	...	5	7·24	43.5052
3953	9·7	54 22·01	...	2·6622	·021	...	47 22 9·2	...	19·230	·10	...	3	8·17	47.4620
3954	8·3†	54 40·89	...	2·7338	·019	...	42 0 48·8	...	19·238	·10	...	5	6·34	41.5044
3955	9·4	54 43·24	0·00	2·6500	·022	+0·003	48 21 7·6	−0·1	19·239	·10	−0·15	3	9·22	48.3638
3956	8·0	10 54 49·97	...	+2·7276	+0·019	...	−42 35 45·7	...	−19·242	−0·10	...	5	6·36	42.4991
3957	6·2†	55 26·80	−0·01	2·7226	·019	−0·005	43 16 15·6	0·0	19·257	·10	−0·01	5	7·24	43.5062
3958	5·0*	55 33·88	0·00	2·7421	·019	0·000	41 41 22·1	−0·1	19·260	·10	−0·02	5	6·67	41.5054
3959	9·3	55 37·74	...	2·6237	·023	...	50 27 4·9	...	19·261	·10	...	3	9·24	50.3840
3960	8·0†	55 41·75	−0·01	2·7307	·019	−0·004	42 42 52·2	−0·1	19·263	·10	−0·04	5	6·33	42.5003

3934. $8^m·5, 9^m·5$ 1″.1 164° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
3961	8·8	10 55 43·19	0·00	+2·6320	+0·023	−0·003	−49 57 28·1	0·0	−19·264	−0·10	−0·04	5	9·28	49.3886
3962	8·0	55 43·49	−0·01	2·7103	·020	−0·006	44 22 26·5	−0·1	19·264	·10	−0·04	3	8·16	44.5271
3963	8·0	55 45·74	+0·01	2·6886	·021	+0·003	46 3 52·7	0·0	19·264	·10	−0·01	3	8·20	45.5107
3964	8·9	55 52·75	0·00	2·6462	·023	−0·006	49 6 3·6	−0·1	19·267	·10	−0·08	3	9·26	48.3647
3965	8·5	56 5·29	0·00	2·6520	·022	−0·001	48 48 1·2	0·0	19·272	·10	−0·03	3	9·30	48.3648
3966	8·7	10 56 22·05	0·00	+2·7023	+0·021	+0·002	−45 17 17·1	0·0	−19·279	−0·10	0·00	3	8·23	45.5120
3967	8·0	56 46·05	0·00	2·6118	·024	+0·003	51 40 14·7	0·0	19·289	·10	−0·01	3	9·23	51.3768
3968	8·7	57 9·19	+0·01	2·7218	·020	+0·007	44 5 12·5	−0·2	19·298	·10	−0·12	3	8·16	43.5077
3969	9·3	57 25·94	0·00	2·7691	·018	0·000	40 4 59·4	−0·3	19·304	·10	−0·08	5	6·34	39.4847
3970	8·2†	57 35·95	−0·03	2·7492	·019	−0·008	41 57 36·5	−0·4	19·308	·10	−0·10	5	6·35	41.5070
3971	7·9	10 57 44·07	0·00	+2·6703	+0·022	−0·006	−48 15 38·2	0·0	−19·311	−0·10	0·00	3	9·21	48.3669
3972	9·5	58 4·72	...	2·6930	·022	...	46 45 31·5	...	19·320	·10	...	3	8·20	46.5041
3973	9·3	58 4·81	...	2·6798	·022	...	47 44 22·5	...	19·320	·10	...	3	8·25	47.4663
3974	8·5	58 8·41	−0·01	2·6312	·024	−0·009	51 3 46·2	0·0	19·321	·09	0·00	4	9·25	50.3881
3975	9·3	58 11·97	−0·01	2·6511	·023	−0·010	49 47 35·0	+0·1	19·322	·09	+0·08	3	9·29	49.3920
3976	8·6	10 58 19·85	...	+2·7492	+0·019	...	−42 17 3·7	...	−19·325	−0·10	...	5	7·24	42.5029
3977	9·0	58 20·51	...	2·7309	·020	...	43 52 6·8	...	19·326	·10	...	5	7·26	43.5097
3978	10·0	58 22·84	...	2·7021	·022	...	46 12 1·3	...	19·327	·10	...	3	8·24	46.5048
3979	8·0	58 23·28	−0·01	2·7185	·021	−0·004	44 54 24·6	−0·2	19·327	·10	−0·10	3	8·26	44.5310
3980	9·0*	58 26·78	−0·02	2·7417	·020	−0·007	42 59 34·9	−0·1	19·328	·10	−0·02	4	7·03	42.5030
3981	8·3	10 58 50·50	0·00	+2·7085	+0·021	+0·002	−45 54 46·0	0·0	−19·337	−0·10	−0·01	5	8·20	45.5146
3982	8·5*	59 1·23	−0·03	2·7715	·019	−0·009	40 34 2·9	+0·1	19·341	·10	+0·03	5	6·32	40.4922
3983	9·5	59 13·89	...	2·7612	·019	...	41 36 29·8	...	19·346	·10	...	4	6·59	41.5087
3984	8·5	59 21·88	−0·01	2·6320	·025	−0·007	51 33 31·6	0·0	19·349	·09	0·00	3	9·21	51.3812
3985	7·3	59 25·01	−0·01	2·6488	·024	−0·009	50 29 26·9	0·0	19·350	·09	0·00	3	9·24	50.3908
3986	8·0	10 59 47·18	−0·01	+2·7582	+0·020	−0·003	−42 8 18·1	−0·1	−19·359	−0·10	−0·02	4	7·03	42.5045
3987	9·4	59 52·41	0·00	2·7541	·020	0·000	42 33 10·5	+0·1	19·361	·10	+0·05	4	7·26	42.5046
3988	6·5	11 0 1·27	−0·03	2·6997	·022	−0·014	47 8 26·8	0·0	19·364	·09	+0·01	3	8·18	47.4691
3989	9·8	0 1·27	...	2·7425	·020	...	43 38 57·4	...	19·364	·10	...	4	7·26	43.5125
3990	8·0	0 10·53	−0·01	2·7206	·022	−0·008	45 33 34·6	0·0	19·368	·09	−0·02	3	8·23	45.5166
3991	9·3	11 0 11·06	−0·01	+2·7714	+0·019	−0·002	−41 6 13·0	−0·4	−19·368	−0·10	−0·11	4	6·79	40.4937
3992	9·4	0 12·36	...	2·7339	·021	...	44 27 38·8	...	19·368	·09	...	3	8·26	44.5322
3993	7·8	0 27·83	0·00	2·6956	·023	0·000	47 39 28·0	−0·1	19·374	·09	−0·03	3	8·23	47.4697
3994	6·5*	0 35·26	0·00	2·6802	·023	−0·002	48 51 11·0	0·0	19·377	·09	−0·04	3	9·21	48.3711
3995	9·3	0 42·58	−0·01	2·6393	·025	−0·009	51 42 16·2	0·0	19·380	·09	+0·03	3	9·24	51.3832
3996	9·0*	11 0 45·80	+0·01	+2·7671	+0·020	+0·004	−41 47 11·8	−0·1	−19·381	−0·10	−0·03	5	6·37	41.5098
3997	8·5	0 56·36	−0·02	2·7152	·022	−0·012	46 21 10·8	−0·1	19·385	·09	−0·03	3	8·21	46.5096
3998	8·3	0 56·47	0·00	2·6795	·024	−0·004	49 4 29·6	0·0	19·385	·09	0·00	3	9·27	48.3718
3999	9·4	1 0·56	...	2·7839	·019	...	40 20 49·6	...	19·386	·10	...	4	7·25	40.4946
4000	7·6†	1 3·99	...	2·7600	·020	...	42 34 46·8	...	19·388	·09	...	5	6·89	42.5057

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4001	8·7	11 1 11·30	0·00	+2·7368	+0·021	0·000	−44 40 52·6	−0·1	−19·390	−0·09	−0·08	3	8·24	44.5332
4002	7·6	1 13·94	−0·01	2·7101	·022	−0·004	46 54 7·4	0·0	19·391	·09	−0·01	5	8·24	46.5100
4003	7·0	1 38·32	0·00	2·6614	·025	−0·002	50 40 14·3	−0·1	19·400	·09	−0·10	3	9·21	50.3951
4004	7·5*	1 42·86	+0·03	2·7495	·021	+0·009	43 49 50·0	−0·5	19·402	·09	−0·15	4	6·56	43.5147
4005	7·3	1 51·07	−0·01	2·6738	·024	−0·010	49 54 25·2	+0·1	19·405	·09	+0·07	3	9·24	49.3960
4006	7·0	11 2 0·09	−0·01	+2·6676	+0·025	−0·009	−50 24 59·1	0·0	−19·408	−0·09	+0·01	3	9·26	50.3959
4007	8·9	2 39·42	−0·01	2·7326	·022	−0·003	45 45 14·4	0·0	19·423	·09	−0·01	3	8·18	45.5215
4008*	9·4†	2 54·09	...	2·7656	·020	...	42 56 40·4	...	19·428	·09	...	2	6·80	42.5082
4009	8·8	3 1·84	−0·01	2·7400	·022	−0·003	45 18 9·9	0·0	19·431	·09	−0·02	3	8·22	45.5220
4010	10·3	3 1·94	...	2·7178	·023	...	47 9 40·0	...	19·431	·09	...	3	8·26	47.4750
4011	7·2	11 3 2·46	0·00	+2·7059	+0·023	−0·005	−48 5 58·7	0·0	−19·431	−0·09	0·00	3	9·21	47.4752
4012	8·9	3 19·93	...	2·7721	·020	...	42 32 48·5	...	19·437	·09	...	4	7·25	42.5084
4013	8·3	3 24·80	−0·05	2·7798	·020	−0·015	41 51 0·2	0·0	19·439	·09	0·00	15	6·98	41.5128
4014	7·2	3 46·77	−0·01	2·6589	·026	−0·007	51 51 50·1	+0·1	19·447	·09	+0·10	5	9·24	51.3877
4015	9·4	4 0·70	0·00	2·7570	·021	−0·001	44 17 17·7	−0·1	19·452	·09	−0·05	3	8·20	44.5358
4016	9·1	11 4 2·78	...	+2·7796	+0·020	...	−42 10 52·2	...	−19·452	−0·09	...	4	6·79	42.5094
4017	9·4	4 17·93	...	2·7687	·021	...	43 20 52·5	...	19·458	·09	...	4	7·25	43.5175
4018	9·4	4 22·57	...	2·7373	·023	...	46 12 27·5	...	19·459	·09	...	3	8·27	46.5139
4019	8·4	4 25·23	...	2·7176	·024	...	47 51 39·6	...	19·460	·09	...	5	8·25	47.4773
4020	8·5*	4 50·26	0·00	2·7811	·020	0·000	42 26 2·8	−0·2	19·469	·09	−0·06	5	6·36	42.5100
4021	9·1	11 4 51·20	0·00	+2·6778	+0·026	+0·002	−51 4 47·5	0·0	−19·469	−0·09	+0·03	3	9·24	50.4006
4022	9·5	5 0·59	+0·02	2·8053	·019	+0·006	40 3 12·6	0·0	19·473	·09	0·00	5	7·27	39.4916
4023	9·8	5 8·07	...	2·7650	·022	...	44 7 16·9	...	19·475	·09	...	3	8·20	43.5187
4024	9·0	5 18·97	...	2·7136	·024	...	48 38 9·5	...	19·479	·09	...	3	9·27	48.3770
4025	9·1	5 31·57	0·00	2·7040	·025	−0·002	49 29 18·3	0·0	19·483	·08	+0·04	3	9·28	49.4011
4026	8·9†	11 5 33·35	...	+2·7939	+0·020	...	−41 30 53·2	...	−19·484	−0·09	...	5	6·55	41.5156
4027	9·4	5 37·80	...	2·7416	·023	...	46 28 39·3	...	19·485	·09	...	3	8·23	46.5155
4028	9·3	5 44·91	...	2·6884	·026	...	50 46 20·9	...	19·488	·08	...	3	9·26	50.4019
4029	8·5	5 49·61	−0·02	2·7994	·020	−0·008	41 5 31·0	−0·1	19·489	·09	−0·03	5	6·88	40.5001
4030	7·8	6 6·63	0·00	2·7128	·025	−0·004	49 6 37·7	0·0	19·495	·08	−0·03	3	9·23	48.3783
4031	7·8	11 6 12·88	−0·01	+2·7611	+0·022	−0·005	−45 2 28·2	−0·1	−19·497	−0·09	−0·04	3	8·18	44.5381
4032	9·9	6 37·22	...	2·7683	·022	...	44 34 41·1	...	19·506	·08	...	3	8·24	44.5387
4033	8·8	6 37·59	...	2·7410	·024	...	47 3 22·4	...	19·506	·08	...	3	8·24	46.5172
4034	7·8	6 47·88	−0·01	2·7865	·021	−0·004	42 54 58·7	−0·1	19·509	·08	−0·03	5	6·72	42.5133
4035	8·0*	6 53·59	0·00	2·8043	·020	−0·001	41 7 15·4	−0·4	19·511	·09	−0·13	5	6·54	40.5006
4036	9·2	11 6 53·73	...	+2·7086	+0·026	...	−49 55 8·5	...	−19·511	−0·08	...	3	9·23	49.4035
4037	8·8*	7 21·42	−0·01	2·7872	·021	−0·003	43 8 0·7	−0·2	19·520	·08	−0·06	5	7·25	42.5143
4038	7·0	7 33·41	−0·01	2·7613	·023	−0·008	45 43 23·7	0·0	19·524	·08	0·00	3	8·18	45.5279
4039	9·2	7 35·95	0·00	2·6851	·027	+0·002	51 57 39·3	0·0	19·525	·08	+0·02	3	9·23	51.3952
4040	8·1	7 59·15	−0·02	2·7563	·023	−0·009	46 25 22·6	0·0	19·533	·08	−0·02	4:3	8·22	46.5192

4008. $9^m·9$, $10^m·4$ $3'' \pm$ $60° \pm$ Brighter star observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4041	8·5	11 7 59·54	...	+2·6986	+0·027	...	−51 10 55·4	...	−19·533	−0·08	...	3	9·23	51.3967
4042	6·0*	7 59·65	−0·01	2·7318	·025	−0·013	48 33 29·3	0·0	19·533	·08	+0·01	3	9·29	48.3803
4043	9·0*	8 6·88	−0·03	2·8003	·021	−0·008	42 12 7·5	0·0	19·535	·08	0·00	5	6·37	42.5153
4044	9·5	8 24·85	...	2·7134	·026	...	50 16 22·1	...	19·541	·08	...	3	9·26	50.4052
4045	6·5*	8 34·90	−0·02	2·7869	·022	−0·007	43 49 41·4	−0·2	19·544	·08	−0·05	5	6·72	43.5235
4046	8·3	11 8 58·51	0·00	+2·7528	+0·024	+0·002	−47 16 41·5	−0·1	−19·552	−0·08	−0·06	3	8·20	47.4849
4047	9·0	9 9·11	...	2·8102	·021	...	41 42 44·2	...	19·555	·08	...	5	7·08	41.5201
4048	7·3†	9 29·54	0·00	2·7471	·025	−0·004	48 3 22·4	0·0	19·562	·08	0·00	3	9·21	47.4858
4049	9·4	9 41·58	...	2·7749	·023	...	45 37 48·8	...	19·566	·08	...	3	8·23	45.5309
4050	8·0	9 42·04	...	2·8153	·021	...	41 27 16·5	...	19·566	·08	...	5	6·37	41.5215
4051	9·3	11 9 50·67	−0·01	+2·8258	+0·020	−0·003	−40 20 59·4	+0·2	−19·569	−0·08	+0·06	4	7·26	40.5042
4052	7·5*	9 50·69	−0·02	2·8083	·021	−0·006	42 18 28·0	−0·1	19·569	·08	−0·03	4	7·27	42.5170
4053	9·1	10 2·76	...	2·8155	·021	...	41 38 26·4	...	19·573	·08	...	5	7·29	41.5220
4054	8·5	10 8·29	...	2·7862	·023	...	44 45 31·6	...	19·574	·08	...	3	8·19	44.5428
4055	9·2	10 10·94	...	2·7366	·026	...	49 21 16·4	...	19·575	·08	...	3	9·25	49.4090
4056	6.5*	11 10 12·93	−0·04	+2·8020	+0·022	−0·011	−43 11 19·8	−0·2	−19·576	−0·08	−0·06	4	6·58	43.5268
4057	9·0*	10 25·98	−0·01	2·7982	·022	−0·003	43 42 11·9	−0·1	19·580	·08	−0·03	4	7·31	43.5272
4058	8·6	10 36·40	−0·01	2·7219	·027	−0·011	50 47 38·1	0·0	19·583	·08	−0·02	3	9·21	50.4084
4059	7·5*	10 45·38	−0·01	2·8288	·020	−0·005	40 30 43·9	0·0	19·586	·08	−0·01	4	7·05	40.5053
4060	7·4*	10 49·84	−0·07	2·8155	·021	−0·021	42 4 13·9	+0·2	19·587	·08	+0·07	4	6·83	41.5229
4061	9·1	11 11 2·74	0·00	+2·7376	+0·026	−0·001	−49 45 26·3	−0·1	−19·591	−0·08	−0·10	3	9·24	49.4096
4062	9·1	11 9·61	...	2·7984	·023	...	44 6 20·6	...	19·593	·08	...	3	8·19	43.5284
4063	8·9	11 10·96	−0·03	2·8248	·021	−0·010	41 13 37·9	0·0	19·594	·08	+0·01	5	7·08	41.5236
4064	7·5	11 16·05	−0·03	2·7758	·025	−0·017	47 22 30·7	−0·1	19·595	·08	−0·03	3	8·23	47.4886
4065	8·0	11 21·58	0·00	2·7730	·024	−0·002	46 45 33·1	−0·1	19·597	·08	−0·05	3	8·25	46.5227
4066*	6·5*	11 11 48·84	...	+2·7901	+0·023	...	−45 20 9·4	...	−19·605	−0·08	...	2	8·25	45.5338
4067	9·5	11 52·42	−0·02	2·8137	·022	−0·005	42 52 24·9	0·0	19·607	·08	−0·01	5	6·55	42.5187
4068	8·7	12 9·55	−0·01	2·7262	·028	−0·018	51 20 19·7	0·0	19·612	·07	0·00	3	9·21	51.4045
4069	8·1	12 15·13	0·00	2·7384	·027	−0·006	50 22 51·3	0·0	19·613	·07	−0·02	3	9·25	50.4099
4070	8·2	12 18·17	+0·01	2·7877	·024	+0·004	45 52 1·7	−0·3	19·614	·08	−0·18	3	8·19	45.5345
4071	8·1	11 12 27·67	−0·05	+2·8132	+0·022	−0·020	−43 16 22·5	−0·2	−19·617	−0·08	−0·08	5	7·26	43.5310
4072	8·8	12 35·61	0·00	2·7555	·026	−0·004	49 5 48·6	0·0	19·619	·07	+0·01	3	9·26	48.3862
4073	9·0	12 41·69	0·00	2·7358	·028	−0·003	50 51 37·9	0·0	19·621	·07	−0·04	3	9·31	50.4106
4074	9·3	12 48·27	0·00	2·7875	·024	−0·002	46 11 25·7	+0·1	19·623	·07	+0·07	3	8·22	46.5255
4075	8·5*	12 51·82	−0·02	2·8097	·023	−0·006	43 53 57·4	−0·2	19·624	·08	−0·05	5	6·56	43.5320
4076	7·8	11 13 10·24	−0·01	+2·8015	+0·023	−0·003	−44 57 31·7	−0·1	−19·630	−0·07	−0·04	3	8·22	44.5458
4077	8·5	13 10·95	−0·02	2·8447	·020	−0·008	40 1 23·8	−0·1	19·630	·08	−0·05	5	7·26	39.5002
4078	8·5	13 17·34	−0·01	2·7966	·024	−0·005	45 33 5·9	0·0	19·632	·07	+0·02	3	8·29	45.5353
4079	7·8	13 41·67	0·00	2·7719	·026	−0·006	48 14 28·3	0·0	19·639	·07	−0·02	3	9·22	48.3872
4080	9·1	14 23·27	...	2·7704	·026	...	48 48 28·0	...	19·651	·07	...	3	9·26	48.3879

4066. $7^m·1, 7^m·4$ 2″·2 276° Mass observed.

No.	Mag.	Mean R.A. 1900·0	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4081	9·0	11 14 37·07	...	+2·8403	+0·021	..	−41 26 1·0	...	−19·655	−0·07	...	5	6·74	41.5288
4082	8·7	14 42·93	+0·01	2·8446	·021	+0·004	40 57 41·4	+0·1	19·657	·07	+0·02	7	7·04	40.5090
4083	7·9	14 51·67	+0·01	2·7934	·025	+0·008	46 50 58·5	+0·1	19·659	·07	+0·07	3	8·20	46.5286
4084	8·4	14 56·51	+0·02	2·8322	·022	+0·007	42 36 28·6	−0·2	19·661	·07	−0·07	4	7·26	42.5231
4085	9·5	15 1·20	...	2·7908	·025	...	47 12 41·0	...	19·662	·07	...	3	8·24	47.4945
4086	8·0	11 15 6·87	0·00	+2·7401	+0·029	+0·002	−51 56 41·4	0·0	−19·664	−0·07	+0·02	3	9·22	51.4090
4087	8·6	15 12·23	0·00	2·7858	·026	−0·002	47 49 29·1	+0·2	19·665	·07	+0·10	3	8·26	47.4950
4088	8·6	15 18·60	+0·01	2·8419	·022	+0·002	41 39 45·7	−0·3	19·667	·07	−0·11	4	7·29	41.5295
4089	9·3	15 26·91	...	2·8389	·022	...	42 7 7·9	...	19·669	·07	...	4	7·28	41.5296
4090	9·5*	15 45·08	−0·01	2·8539	·021	−0·003	40 24 37·0	−0·2	19·674	·07	−0·06	4	7·05	40.5101
4091	7·8	11 15 47·11	0·00	+2·8145	+0·024	0·000	−45 10 49·9	0·0	−19·675	−0·07	−0·02	3	8·21	45.5386
4092	8·9	15 48·53	...	2·7826	·027	...	48 31 36·2	...	19·675	·07	...	3	9·26	48.3893
4093	9·1	16 2·37	0·00	2·8188	·024	−0·001	44 51 8·7	0·0	19·679	·07	−0·01	3	8·22	44.5500
4094	9·7	16 27·46	...	2·7552	·029	...	51 28 40·7	...	19·686	·07	...	3	9·24	51.4120
4095	9·0	16 43·84	0·00	2·7666	·028	+0·004	50 38 20·8	0·0	19·691	·07	+0·05	3	9·25	50.4165
4096	9·4	11 16 51·95	0·00	+2·7746	+0·028	−0·001	−49 58 10·2	0·0	−19·693	−0·07	−0·01	3	9·29	49.4184
4097	7·5*	16 52·97	−0·03	2·8392	·023	−0·009	43 0 33·6	−0·2	19·693	·07	−0·06	7	6·92	42.5246
4098	8·0	17 0·18	0·00	2·7933	·027	−0·003	48 13 27·3	0·0	19·695	·07	−0·03	3	9·34	48.3909
4099	8·0	17 4·08	...	2·7964	·026	...	47 56 50·3	...	19·696	·07	...	3	8·21	47.4975
4100	9·4	17 9·01	−0·03	2·8334	·023	−0·012	43 53 10·8	−0·2	19·697	·07	−0·08	5	7·26	43.5364
4101	8·3	11 17 36·43	...	+2·7857	+0·028	...	−49 22 30·4	...	−19·705	−0·07	...	3	9·23	49.4193
4102	7·4	17 38·90	−0·02	2·8344	·024	−0·009	44 5 47·3	−0·1	19·706	·07	−0·05	5	8·23	43.5375
4103	8·5	17 42·72	−0·01	2·8172	·025	−0·003	46 8 0·5	+0·1	19·707	·07	+0·05	3	8·27	45.5420
4104	8·9	17 43·69	...	2·7914	·027	...	48 53 55·5	...	19·707	·07	...	3	9·24	48.3920
4105	7·5	17 58·26	−0·02	2·8497	·023	−0·008	42 23 58·4	−0·1	19·711	·07	−0·04	5	7·09	42.5260
4106	8·0	11 18 15·38	−0·01	+2·7813	+0·028	−0·008	−50 14 16·9	0·0	−19·715	−0·06	0·00	3	9·27	50.4186
4107	9·1	18 51·43	−0·01	2·8260	·025	−0·003	45 54 11·8	−0·1	19·725	·06	−0·03	3	8·20	45.5442
4108	9·5†	18 56·57	...	2·8586	·022	...	41 54 15·9	...	19·726	·07	...	4	6·60	41.5334
4109	9·0	19 2·05	0·00	2·8654	·022	0·000	41 3 4·1	0·0	19·727	·07	+0·01	5	6·89	40.5139
4110	8·5*	19 7·15	+0·01	2·8633	·022	+0·002	41 23 27·5	−0·1	19·729	·07	−0·03	4	7·01	41.5338
4111	9·5	11 19 14·44	...	+2·8686	+0·022	...	−40 44 36·2	...	−19·731	−0·07	...	4	7·28	40.5142
4112	9·5	19 29·36	...	2·7842	·029	...	50 47 46·6	...	19·734	·06	...	3	9·26	50.4206
4113*	9·1	19 30·57	...	2·8167	·027	...	47 25 23·4	...	19·735	·06	...	3	8·27	47.5008
4114	8·8	19 33·89	−0·02	2·8481	·024	−0·006	43 42 48·6	−0·2	19·736	·06	−0·08	3	7·01	43.5406
4115	6·5*	19 34·94	−0·01	2·8603	·023	−0·004	42 7 11·9	−0·1	19·736	·06	−0·03	4	7·29	41.5341
4116	8·8	11 19 42·38	−0·01	+2·8220	+0·026	−0·006	−46 57 26·1	−0·1	−19·738	−0·06	−0·05	3	8·28	46.5341
4117	8·7	19 50·72	−0·01	2·8403	·025	−0·006	44 53 41·1	0·0	19·740	·06	−0·02	3	8·20	44.5538
4118	8·5*	19 55·39	−0·03	2·8509	·024	−0·008	43 36 12·5	−0·2	19·741	·06	−0·05	6	6·54	43.5410
4119	9·3	20 0·56	0·00	2·7761	·030	+0·001	51 55 53·8	0·0	19·742	·06	−0·02	3	9·31	51.4171
4120	9·5	20 23·75	...	2·8670	·023	...	41 46 59·2	...	19·748	·06	...	4	7·04	41.5347

4113. $9^m·1, 9^m·6$ 3″·4 286° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4121	8·8	11 20 25·50	−0·01	+2·7852	+0·030	−0·010	−51 20 44·8	0·0	−19·749	−0·06	+0·06	3	9·22	51.4181
4122	9·1	20 38·18	−0·01	2·8403	·025	−0·006	45 26 45·7	+0·1	19·752	·06	+0·04	3	8·25	45.5465
4123	7·8†	20 38·81	−0·01	2·8602	·023	−0·002	42 53 51·0	−0·2	19·752	·06	−0·05	5	6·72	42.5297
4124	8·5*	20 43·21	−0·01	2·8753	·022	−0·003	40 50 53·0	−0·1	19·753	·06	−0·02	5	7·07	40.5162
4125	7·8	20 43·49	−0·01	2·8662	·023	−0·005	42 7 20·8	0·0	19·753	·06	−0·01	5	7·11	41.5355
4126	8·9	11 20 50·11	0·00	+2·8036	+0·029	−0·005	−49 46 11·7	0·0	−19·755	−0·06	−0·05	3	9·24	49.4238
4127	9·3	20 51·00	...	2·8104	·028	...	49 3 42·1	...	19·755	·06	...	3	9·28	48.3964
4128	9·5	20 55·17	...	2·8224	·027	...	47 46 1·6	...	19·756	·06	...	3	8·24	47.5016
4129	9·0	21 9·87	+0·01	2·8520	·024	+0·003	44 21 11·9	−0·2	19·760	·06	−0·10	3	8·31	44.5549
4130	9·5	21 18·63	...	2·8410	·026	...	45 51 35·4	...	19·762	·06	...	3	8·30	45.5470
4131	9·3	11 21 21·61	...	+2·8771	+0·022	...	−41 2 8·2	...	−19·763	−0·06	...	5	7·10	40.5168
4132	9·0*	21 30·23	0·00	2·8673	·023	−0·001	42 32 25·0	−0·3	19·765	·06	−0·07	5	6·38	42.5321
4133	7·8	21 35·67	−0·03	2·8644	·024	−0·011	43 0 49·2	−0·1	19·766	·06	−0·03	5	7·28	42.5322
4134	8·8	21 51·83	0·00	2·8406	·026	−0·002	46 19 3·4	0·0	19·770	·06	0·00	3	8·21	46.5368
4135	9·5*	22 4·07	−0·04	2·8852	·022	−0·011	40 21 35·5	−0·2	19·773	·06	−0·06	5	6·72	40.5174
4136	8·8	11 22 10·18	...	+2·8617	+0·024	...	−43 48 0·8	...	−19·774	−0·06	...	5	6·73	43.5433
4137	8·1	22 19·83	0·00	2·8361	·027	0·000	47 12 37·9	−0·1	19·777	·06	−0·04	3	8·25	47.5024
4138	9·4	22 58·01	...	2·8271	·028	...	48 45 15·4	...	19·786	·06	...	3	9·24	48.3993
4139	8·0	23 15·78	0·00	2·8452	·027	−0·001	46 47 59·8	−0·1	19·790	·06	−0·04	3	8·20	46.5378
4140	8·3	23 20·42	0·00	2·8158	·030	−0·005	50 18 15·7	0·0	19·791	·06	0·00	3	9·23	50.4248
4141	8·6	11 23 31·69	−0·02	+2·8711	+0·024	−0·009	−43 32 43·2	−0·4	−19·793	−0·06	−0·13	5	7·25	43.5435
4142	8·0	23 32·74	−0·01	2·8062	·031	−0·011	51 30 2·3	0·0	19·794	·06	−0·02	3	9·27	51.4222
4143	8·2	23 38·50	−0·02	2·8596	·025	−0·010	45 13 25·8	0·0	19·795	·06	−0·01	3	8·23	45.5488
4144	8·1	23 49·84	−0·01	2·8653	·025	−0·004	44 35 22·2	−0·2	19·798	·06	−0·10	3	8·29	44.5559
4145	8·8	23 57·04	0·00	2·8124	·030	+0·005	51 8 44·9	0·0	19·799	·06	0·00	3	9·28	51.4228
4146	8·0	11 24 6·67	−0·02	+2·8785	+0·024	−0·006	−42 55 41·7	−0·2	−19·802	−0·06	−0·05	5	6·33	42.5348
4147	9·5*	24 34·60	−0·01	2·8910	·023	−0·004	41 23 0·6	+0·1	19·808	·06	+0·02	5	6·39	41.5391
4148	9·0	24 41·02	0·00	2·8421	·028	−0·004	48 17 40·6	0·0	19·809	·06	−0·05	3	9·23	48.4016
4149	8·6	24 56·22	0·00	2·8511	·027	+0·002	47 21 44·7	−0·1	19·813	·06	−0·07	3	8·21	47.5040
4150	8·2	25 12·00	−0·01	2·8761	·025	−0·008	44 8 23·1	0·0	19·816	·06	−0·01	3	8·22	44.5568
4151	9·1	11 25 15·94	0·00	+2·8252	+0·030	−0·004	−50 46 8·8	0·0	−19·817	−0·05	+0·02	3	9·26	50.4271
4152	8·5	25 25·91	0·00	2·8405	·029	+0·001	49 5 46·8	−0·1	19·819	·05	−0·10	3	9·26	48.4021
4153	8·3	25 27·88	0·00	2·8942	·023	+0·001	41 35 54·9	0·0	19·820	·05	0·00	5	6·52	41.5400
4154	9·6	25 44·26	...	2·8608	·027	...	46 44 27·3	...	19·823	·05	...	3	8·29	46.5389
4155	9·3	25 47·77	...	2·9049	·022	...	40 7 33·0	...	19·824	·05	...	5	7·09	39.5114
4156	8·7	11 25 49·10	0·00	+2·8361	+0·030	+0·004	−49 56 59·0	0·0	−19·824	−0·05	+0·02	3	9·23	49.4302
4157	9·0	25 52·25	...	2·8936	·024	...	42 1 38·3	...	19·825	·05	...	5	7·08	41.5403
4158	7·0*	26 5·55	−0·03	2·8988	·023	−0·008	41 22 28·6	−0·1	19·828	·05	−0·04	5	6·74	41.5404
4159	9·4	26 15·19	...	2·8233	·031	...	51 46 43·1	...	19·830	·05	...	3	9·25	51.4259
4160	9·4	26 15·39	...	2·8911	·024	...	42 45 8·7	...	19·830	·05	...	5	7·28	42.5363

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		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4161	9·4	11 26 21·35	...	+2·8775	+0·026	...	−44 53 48·8	...	−19·831	−0·05	...	3	8·21	44.5576
4162	8·7	26 26·77	0·00	2·8685	·027	+0·002	46 16 38·9	−0·1	19·832	·05	−0·03	3	8·22	46.5396
4163	8·1	26 43·06	−0·01	2·8752	·026	−0·008	45 32 32·5	−0·1	19·836	·05	−0·03	3	8·27	45.5508
4164	9·4	26 43·84	−0·01	2·8395	·030	−0·008	50 17 56·9	0·0	19·836	·05	−0·03	3	9·26	50.4291
4165	9·0	26 52·07	...	2·8518	·029	...	48 52 49·5	...	19·838	·05	...	3	9·23	48.4045
4166	9·8†	11 26 59·26	...	+2·8872	+0·025	...	−43 58 51·4	...	−19·839	−0·05	...	5	7·26	43.5454
4167	8·8	26 59·90	0·00	2·8347	·031	−0·003	51 6 7·4	0·0	19·839	·05	−0·04	3	9·31	50.4294
4168	8·8	27 2·39	+0·01	2·8621	·028	+0·006	47 40 11·4	−0·2	19·840	·05	−0·09	3	8·25	47.5057
4169	9·0*	27 20·70	+0·02	2·9026	·024	+0·005	41 48 54·4	0·0	19·844	·05	0·00	5	6·56	41.5417
4170	8·9	27 42·36	0·00	2·8526	·030	−0·002	49 29 18·0	0·0	19·848	·05	+0·03	3	9·23	49.4323
4171	8·1	11 28 1·87	−0·01	+2·8982	+0·025	−0·002	−43 8 35·0	−0·1	−19·852	−0·05	−0·05	5	7·26	43.5461
4172	9·0*	28 10·93	+0·02	2·8953	·025	+0·005	43 45 25·5	−0·2	19·854	·05	−0·06	5	6·92	43.5464
4173	8·1	28 14·37	−0·01	2·8927	·026	−0·003	44 13 4·9	−0·1	19·855	·05	−0·08	3	8·20	44.5586
4174	8·2	28 32·24	0·00	2·8480	·031	−0·006	50 48 44·8	0·0	19·858	·05	−0·01	3	9·23	50.4319
4175	8·8	28 45·50	...	2·8859	·027	...	45 45 40·2	...	19·861	·05	...	3	8·23	45.5517
4176	9·0	11 28 59·87	−0·01	+2·9155	+0·023	−0·002	−41 1 42·7	0·0	−19·864	−0·05	+0·01	5	6·74	40.5236
4177	8·0	29 1·94	−0·01	2·8587	·030	−0·007	49 52 49·1	0·0	19·864	·05	0·00	3	9·23	49.4341
4178	8·3	29 10·87	−0·02	2·8715	·029	−0·030	48 15 47·5	−0·1	19·866	·05	−0·13	3	9·27	48.4066
4179	8·9	29 19·15	−0·01	2·8849	·028	−0·003	46 24 49·2	0·0	19·867	·05	−0·01	3	8·20	46.5415
4180	7·5*	29 22·88	+0·02	2·9198	·023	+0·005	40 36 6·5	−0·3	19·868	·05	−0·08	5	6·51	40.5241
4181	9·0	11 29 39·14	0·00	+2·9129	+0·024	+0·001	−42 5 50·6	0·0	−19·871	−0·05	−0·01	5	7·27	41.5434
4182	9·1	29 48·21	−0·01	2·8945	·027	−0·005	45 22 19·0	0·0	19·873	·05	+0·01	3	8·23	45.5525
4183	9·3	30 3·83	...	2·8864	·029	...	47 32 22·8	...	19·876	·05	...	3	8·28	47.5078
4184	8·5	30 4·61	...	2·9117	·025	...	42 43 39·8	...	19·876	·05	...	5	6·58	42.5400
4185	8·8	30 13·34	+0·01	2·8520	·033	+0·008	51 49 47·8	0·0	19·878	·05	0·00	3	9·23	51.4294
4186	9·0*	11 30 14·66	0·00	+2·9140	+0·025	0·000	−42 27 45·7	0·0	−19·878	−0·05	0·00	4	7·27	42.5403
4187	9·6	30 15·18	...	2·9195	·024	...	41 28 20·3	...	19·878	·05	...	4	7·28	41.5439
4188	7·1	30 23·80	−0·02	2·8889	·028	−0·011	46 49 10·2	−0·1	19·880	·05	−0·03	3	8·26	46.5425
4189	9·3	30 30·80	−0·01	2·8660	·031	−0·007	50 16 27·2	+0·1	19·881	·05	+0·09	3	9·25	50.4341
4190	8·9	30 31·50	−0·01	2·9018	·026	−0·003	44 51 32·8	−0·1	19·881	·05	−0·03	3	8·25	44.5598
4191	9·0	11 30 41·63	0·00	+2·9097	+0·026	0·000	−43 39 58·4	0·0	−19·883	−0·05	−0·01	4	6·80	43.5481
4192	5·8*	31 4·63	0·00	2·8915	·028	0·000	47 5 13·5	−0·1	19·887	·04	−0·06	3	8·21	46.5429
4193	9·0	31 10·96	0·00	2·9268	·024	0·000	40 58 46·2	−0·1	19·889	·04	−0·02	5	7·27	40.5255
4194	8·5*	31 20·06	+0·01	2·9170	·025	+0·003	42 58 20·7	−0·2	19·890	·04	−0·07	5	6·57	42.5413
4195	9·4	31 23·95	...	2·8819	·030	...	48 52 4·9	...	19·891	·04	...	3	9·26	48.4088
4196	8·5	11 31 37·28	0·00	+2·8799	+0·031	−0·004	−49 22 50·3	0·0	−19·893	−0·04	−0·03	3	9·23	49.4369
4197	9·1	31 52·23	...	2·9348	·023	...	40 3 20·3	...	19·896	·04	...	5	7·26	39.5177
4198	8·4	32 13·87	0·00	2·8941	·029	+0·002	47 49 34·5	−0·2	19·900	·04	−0·10	3	8·20	47.5098
4199	9·5	32 14·36	...	2·8911	·030	...	48 17 39·4	...	19·900	·04	...	3	9·29	48.4101
4200	9·2	32 27·33	...	2·8757	·032	...	50 49 24·0	...	19·902	·04	...	3	9·26	50.4365

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4201	9·5*	11 32 36·13	−0·04	+2·9296	+0·024	−0·011	−41 51 28·1	0·0	−19·904	−0·04	0·00	5	6·55	41.5466
4202	8·4	32 45·33	−0·01	2·9073	·028	−0·004	46 9 25·3	+0·1	19·905	·04	+0·04	3	8·24	46.5445
4203	9·0	33 9·14	−0·01	2·9389	·024	−0·003	40 29 57·3	−0·2	19·909	·04	−0·05	5	6·90	40.5278
4204	9·4	33 28·30	−0·02	2·9240	·026	−0·006	43 51 30·2	−0·3	19·913	·04	−0·12	5	7·28	43.5502
4205	9·3	33 33·19	0·00	2·9343	·025	−0·001	41 53 24·9	−0·1	19·914	·04	−0·05	4	7·28	41.5473
4206	9·0	11 33 50·21	...	+2·9393	+0·024	...	−41 8 36·8	...	−19·917	−0·04	...	4	6·61	41.5476
4207	7·8	33 55·84	−0·02	2·9080	·029	−0·010	47 17 49·4	−0·1	19·917	·04	−0·04	3	8·20	47.5109
4208	9·3	33 57·32	−0·02	2·9218	·027	−0·012	44 48 23·1	−0·3	19·918	·04	−0·15	3	8·24	44.5622
4209	8·9	34 34·92	−0·03	2·9085	·030	−0·018	47 55 39·3	−0·2	19·924	·04	−0·09	3	8·31	47.5113
4210	8·5	34 44·01	−0·01	2·8899	·033	−0·010	51 7 54·0	0·0	19·925	·04	−0·04	3	9·23	50.4404
4211	9·4	11 34 46·02	...	+2·9205	+0·028	...	−45 58 10·4	...	−19·925	−0·04	...	3	8·29	45.5556
4212	8·7	34 50·37	−0·01	2·9305	·027	−0·003	44 5 13·8	−0·3	19·926	·04	−0·15	5	8·29	43.5514
4213	8·0	34 53·11	−0·01	2·9240	·028	−0·008	45 25 25·8	0·0	19·927	·04	−0·01	3	8·20	45.5557
4214	7·2	35 2·54	−0·01	2·8997	·032	−0·007	49 55 55·1	0·0	19·928	·04	−0·01	5	9·27	49.4417
4215	9·2	35 4·78	...	2·9187	·029	...	46 38 37·5	...	19·928	·04	...	3	8·28	46.5458
4216	9·0	11 35 14·22	...	+2·9445	+0·025	...	−41 34 9·6	...	−19·930	−0·04	...	5	6·91	41.5491
4217	8·5*	35 18·65	−0·01	2·9375	·026	−0·004	43 11 31·2	−0·4	19·931	·04	−0·11	5	6·39	43.5518
4218	8·3	35 29·97	0·00	2·9105	·031	−0·006	48 36 44·0	0·0	19·932	·04	−0·07	3	9·32	48.4126
4219	9·3	35 40·42	...	2·9010	·033	...	50 25 33·5	...	19·934	·04	...	3	9·26	50.4415
4220	8·8	35 42·41	0·00	2·9059	·032	−0·001	49 38 32·8	0·0	19·934	·04	+0·01	3	9·24	49.4428
4221	9·6	11 35 45·79	...	+2·8941	+0·034	...	−51 38 44·0	...	−19·935	−0·04	...	3	9·34	51.4359
4222	8·8	35 56·97	−0·01	2·9455	·025	−0·002	42 10 55·3	−0·1	19·937	·04	−0·03	5	7·27	42.5453
4223	8·0*	36 13·54	−0·23	2·9393	·027	−0·064	43 51 27·8	+0·7	19·939	·04	+0·19	9	6·35	43.5524
4224	9·4	36 14·87	...	2·9510	·025	...	41 16 1·8	...	19·939	·04	...	5	7·27	41.5506
4225	6·0*	36 24·59	−0·04	2·9463	·026	−0·014	42 32 28·8	−0·1	19·941	·04	−0·05	5	7·30	42.5458
4226	9·3	11 36 52·93	...	+2·9515	+0·025	...	−41 56 15·7	...	−19·945	−0·03	...	5	6·75	41.5514
4227	9·0*	36 54·96	−0·08	2·9595	·024	−0·028	40 1 3·1	−0·2	19·945	·03	−0·07	5	7·11	39.5221
4228	8·3	37 4·67	−0·01	2·9385	·028	−0·007	45 5 39·4	0·0	19·947	·03	0·00	3	8·21	44.5651
4229	8·5	37 23·19	−0·01	2·9209	·032	−0·018	48 59 22·7	+0·1	19·949	·03	+0·10	5	9·30	48.4146
4230	8·6	37 34·97	−0·02	2·9567	·025	−0·008	41 33 0·1	−0·1	19·951	·03	−0·03	5	7·08	41.5522
4231	9·4	11 37 41·35	0·00	+2·9377	+0·029	+0·001	−46 0 38·2	0·0	−19·952	−0·03	+0·02	3	8·22	45.5579
4232	8·6	37 48·06	0·00	2·9190	·032	−0·005	49 52 13·5	0·0	19·953	·03	−0·03	3	9·22	49.4454
4233	9·0	37 58·09	...	2·9151	·033	...	50 47 35·7	...	19·954	·03	...	3	9·24	50.4448
4234	8·7	38 34·36	−0·01	2·9499	·028	−0·007	44 26 22·7	0·0	19·959	·03	−0·01	3	8·21	44.5665
4235	9·6	38 45·40	...	2·9536	·027	...	43 49 18·5	...	19·961	·03	...	5	6·74	43.5535
4236	9·2	11 38 47·07	−0·03	+2·9381	+0·030	−0·015	−47 22 9·5	+0·1	−19·961	−0·03	+0·05	3	8·23	47.5143
4237	9·3	38 56·87	...	2·9351	·031	...	48 14 26·3	...	19·962	·03	...	3	9·23	48.4159
4238	8·5	39 1·44	−0·01	2·9515	·028	−0·008	44 41 41·0	−0·1	19·963	·03	−0·08	3	8·18	44.5669
4239	9·7	39 3·61	−0·02	2·9587	·026	−0·007	42 58 42·8	−0·5	19·963	·03	−0·20	5	7·28	42.5482
4240	9·3	39 32·46	−0·02	2·9698	·025	−0·006	40 41 33·7	−0·1	19·967	·03	−0·03	5	7·08	40.5348

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4241	9·5*	11 39 33·62	+0·03	+2·9640	+0·026	+0·009	−42 17 8·1	−0·1	−19·967	−0·03	−0·03	5	6·56	42.5487
4242	8·7	39 44·52	...	2·9374	·032	...	48 51 39·4	...	19·968	·03	...	3	9·25	48.4174
4243	9·2	39 46·61	...	2·9310	·033	...	50 12 0·6	...	19·969	·03	...	3	9·29	50.4480
4244	8·0	40 3·04	0·00	2·9288	·034	−0·006	51 0 56·9	0·0	19·971	·03	−0·02	5	9·31	50.4483
4245	9·5*	40 5·29	−0·02	2·9714	·025	−0·006	41 1 4·2	+0·2	19·971	·03	+0·05	5	6·38	40.5353
4246	8·6	11 40 22·50	0·00	+2·9281	+0·035	−0·006	−51 35 50·6	0·0	−19·973	−0·03	−0·04	3	9·26	51.4441
4247	9·0*	40 34·59	−0·01	2·9720	·026	−0·002	41 31 25·3	−0·1	19·975	·03	−0·04	4	6·62	41.5552
4248	8·8	40 36·41	0·00	2·9574	·029	−0·001	45 30 15·6	−0·3	19·975	·03	−0·17	3	8·21	45.5595
4249*	8·5	40 38·79	...	2·9529	·030	...	46 40 19·2	...	19·975	·03	...	3	8·22	46.5493
4250	8·7	40 40·91	−0·02	2·9624	·028	−0·011	44 19 12·7	−0·1	19·976	·03	−0·03	3	8·29	44.5682
4251	9·0	11 40 43·82	...	+2·9778	+0·024	...	−40 6 22·1	...	−19·976	−0·03	...	4	7·28	39.5255
4252	6·0*	40 46·87	−0·02	2·9599	·028	−0·009	45 8 5·6	0·0	19·976	·03	−0·01	3	8·33	44.5685
4253	8·8	40 47·36	...	2·9493	·031	...	47 42 33·2	...	19·976	·03	...	3	8·31	47.5156
4254	8·3	40 57·44	0·00	2·9429	·033	−0·006	49 23 36·5	0·0	19·978	·03	−0·04	3	9·25	49.4480
4255	8·9	41 0·55	−0·01	2·9690	·027	−0·005	43 1 40·3	−0·3	19·978	·03	−0·11	4	7·33	42.5497
4256	9·6†	11 41 6·77	...	+2·9714	+0·026	...	−42 31 30·8	...	−19·979	−0·03	...	4	7·34	42.5498
4257	9·8	41 13·67	...	2·9398	·034	...	50 29 4·4	...	19·980	·03	...	3	9·29	50.4495
4258	9·3	41 14·60	...	2·9790	·025	...	40 29 9·7	...	19·980	·03	...	4	7·28	40.5367
4259	8·5*	41 30·99	0·00	2·9724	·027	+0·001	42 50 9·9	0·0	19·982	·03	0·00	5	6·37	42.5502
4260	8·8	41 31·05	−0·01	2·9527	·031	−0·011	48 0 33·6	0·0	19·982	·03	+0·04	5	9·28	47.5162
4261	8·8	11 41 53·37	...	+2·9595	+0·030	...	−46 55 2·5	...	−19·984	−0·03	...	3	8·21	46.5498
4262	9·0	42 22·47	...	2·9750	·027	...	43 26 54·3	...	19·988	·03	...	5	7·27	43.5557
4263	8·8	42 48·06	0·00	2·9683	·030	−0·002	46 2 37·0	−0·3	19·990	·02	−0·14	3	8·21	45.5613
4264	8·0	43 16·36	0·00	2·9585	·033	−0·002	49 26 17·1	0·0	19·993	·02	−0·03	3	9·24	49.4509
4265	9·2	43 32·12	−0·03	2·9694	·031	−0·020	46 59 55·7	+0·1	19·995	·02	+0·07	3	8·28	46.5513
4266	8·5	11 43 38·94	−0·02	+2·9769	+0·029	−0·009	−45 1 55·7	−0·1	−19·996	−0·02	−0·08	3	8·27	44.5705
4267	9·1	43 46·44	−0·01	2·9798	·028	−0·005	44 21 29·0	−0·1	19·997	·02	−0·05	3	8·21	44.5708
4268	8·3	44 1·78	0·00	2·9581	·035	−0·003	50 51 9·5	0·0	19·998	·02	−0·02	3	9·27	50.4521
4269	8·5	44 17·13	0·00	2·9678	·033	+0·001	48 45 34·5	0·0	20·000	·02	−0·02	3	9·25	48.4239
4270	9·1	44 39·07	...	2·9581	·036	...	51 56 39·6	...	20·002	·02	...	5	9·33	51.4497
4271	7·6	11 44 46·67	−0·01	+2·9660	+0·034	−0·009	−50 9 52·5	0·0	−20·003	−0·02	+0·02	3	9·35	50.4534
4272	8·7	44 51·25	+0·07	2·9917	·027	+0·020	42 24 1·8	−0·5	20·003	·02	−0·15	5	6·54	42.5524
4273	9·5	44 59·16	...	2·9883	·028	...	43 49 52·0	...	20·004	·02	...	5:6	7·29:7·28	43.5567
4274	8·2	45 1·34	−0·01	2·9690	·034	−0·011	49 46 34·8	0·0	20·004	·02	−0·02	3	9·29	49.4526
4275	7·9	45 6·40	0·00	2·9645	·035	−0·007	51 8 40·2	0·0	20·004	·02	−0·02	3	9·30	51.4504
4276	9·5	11 45 13·65	...	+2·9812	+0·031	...	−46 37 58·2	...	−20·005	−0·02	...	3	8·24	46.5524
4277	7·9	45 25·97	−0·01	2·9846	·030	−0·003	45 54 42·2	−0·2	20·006	·02	−0·09	5	8·25	45.5643
4278	9·6	45 45·25	...	2·9804	·032	...	47 53 19·3	...	20·008	·02	...	3	8·33	47.5193
4279	9·2	45 48·60	...	2·9986	·026	...	41 39 37·7	...	20·008	·02	...	4	7·27	41.5599
4280	9·6	46 1·60	...	2·9934	·029	...	44 6 50·6	...	20·010	·02	...	3	8·32	43.5576

4249. $9^m·0, 9^m·7$ 3″·6 155° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4281	5·0*	11 46 8·64	−0·02	+2·9926	+0·029	−0·010	−44 37 0·9	0·0	−20·010	−0·02	−0·01	3	8·27	44.5719
4282	6·9†	46 12·36	−0·01	2·9963	·028	−0·005	43 22 35·6	−0·1	20·010	·02	−0·03	4	7·27	43.5577
4283	8·0	46 20·39	−0·04	2·9992	·027	−0·012	42 31 26·2	0·0	20·011	·02	−0·01	4	7·08	42.5537
4284	7·5	46 20·82	0·00	2·9721	·036	−0·002	51 33 2·5	−0·1	20·011	·02	−0·07	3	9·24	51.4527
4285	9·4†	46 29·70	...	3·0014	·027	...	42 0 53·5	...	20·012	·02	...	4	7·27	41.5607
4286	8·0	11 46 30·31	−0·02	+3·0060	+0·025	−0·005	−40 7 52·0	−0·1	−20·012	−0·02	−0·03	8	6·97	39.5299
4287	9·1	46 34·55	...	3·0019	·027	...	41 57 48·0	...	20·012	·02	...	4	7·30	41.5609
4288	8·1	46 45·47	0·00	2·9773	·036	+0·002	50 55 47·9	0·0	20·013	·02	−0·02	3	9·27	50.4566
4289	9·7	46 46·21	−0·02	2·9890	·032	−0·010	47 12 18·2	+0·1	20·013	·02	+0·03	3	8·22	47.5204
4290	7·7	47 3·99	0·00	2·9860	·033	−0·001	48 50 41·5	0·0	20·015	·02	−0·01	3	9·31	48.4273
4291*	8·3	11 47 42·86	0·00	+2·9925	+0·033	−0·002	−48 6 31·7	−0·1	−20·018	−0·02	−0·08	3	9·24	47.5209
4292	9·0	47 45·88	−0·02	2·9997	·030	−0·009	45 31 12·0	−0·1	20·018	·01	−0·05	3	8·26	45.5657
4293	9·2	47 52·76	...	2·9946	·032	...	47 42 44·5	...	20·019	·01	...	3	8·31	47.5212
4294	8·5	47 54·54	...	2·9867	·036	...	50 31 59·1	...	20·019	·01	...	3	9·27	50.4590
4295	8·0	47 55·23	−0·02	3·0106	·026	−0·006	41 13 26·1	−0·1	20·019	·01	−0·04	5	6·91	41.5615
4296	8·6	11 48 0·13	...	+2·9905	+0·034	...	−49 26 53·9	...	−20·019	−0·01	...	3	9·35	49.4585
4297	8·6	48 3·54	−0·01	3·0029	·030	−0·006	44 55 42·1	−0·2	20·020	·01	−0·13	5	8·24	44.5736
4298	9·5	48 9·94	...	2·9988	·031	...	46 49 31·8	...	20·020	·01	...	3	8·33	46.5547
4299	9·6	48 10·96	...	2·9860	·037	...	51 24 7·4	...	20·020	·01	...	3	9·33	51.4563
4300	7·7	48 33·36	0·00	3·0027	·031	−0·001	46 11 9·1	−0·1	20·022	·01	−0·05	3	8·29	46.5549
4301	8·4†	11 48 51·19	...	+3·0133	+0·027	...	−42 13 22·8	...	−20·023	−0·01	...	5	6·36	42.5553
4302	8·6	49 11·14	...	3·0086	·030	...	45 15 52·2	...	20·024	·01	...	3	8·24	45.5673
4303	8·8	49 33·23	...	3·0124	·030	...	44 31 31·3	...	20·026	·01	...	3	8·24	44.5740
4304	7·8*	49 46·92	−0·01	3·0166	·028	−0·002	43 3 16·0	0·0	20·027	·01	−0·01	5	6·40	42.5559
4305	9·0	49 55·74	−0·02	3·0218	·026	−0·006	40 40 57·2	−0·2	20·027	·01	−0·08	5	7·27	40.5446
4306	8·0*	11 49 57·53	−0·03	+3·0199	+0·027	−0·008	−41 46 48·3	−0·3	−20·028	−0·01	−0·07	5	6·37	41.5632
4307	10·0	49 59·51	...	3·0186	·028	...	42 36 9·1	...	20·028	·01	...	5	7·30	42.5562
4308	8·8	50 9·67	...	3·0180	·028	...	43 26 52·3	...	20·028	·01	...	5	7·32	43.5594
4309*	8·3	50 19·70	−0·03	3·0227	·027	−0·009	41 20 49·2	−0·1	20·029	·01	−0·05	5	7·08	41.5636
4310	9·0	50 25·79	...	3·0036	·037	...	50 55 1·4	...	20·029	·01	...	3	9·24	50.4638
4311	8·9	11 50 50·82	−0·01	+3·0078	+0·036	−0·008	−50 24 34·5	+0·1	−20·031	−0·01	+0·09	3	9·27	50.4653
4312	9·0*	51 0·42	−0·01	3·0248	·028	−0·002	42 12 52·7	+0·2	20·031	·01	+0·06	5	6·58	42.5565
4313	9·3	51 0·94	−0·01	3·0145	·033	−0·005	47 47 16·7	+0·1	20·031	·01	+0·06	3	8·21	47.5234
4314	8·2	51 7·14	0·00	3·0121	·035	−0·002	49 18 19·9	0·0	20·032	·01	−0·02	3	9·33	49.4651
4315	9·0	51 26·80	...	3·0210	·031	...	45 46 54·0	...	20·033	·01	...	3	8·25	45.5696
4316	8·5†	11 51 32·78	...	+3·0308	+0·026	...	−40 5 50·8	...	−20·033	−0·01	...	5	6·37	39.5321
4317*	7·2	51 41·38	−0·03	3·0211	·032	−0·016	46 30 58·9	0·0	20·034	·01	−0·02	3	8·30	46.5579
4318	7·0	52 0·62	0·00	3·0137	·038	+0·006	51 32 35·0	0·0	20·035	·01	−0·02	3	9·24	51.4639
4319	8·0	52 12·85	−0·01	3·0216	·034	−0·014	48 11 10·5	0·0	20·035	·01	−0·05	3	9·27	48.4345
4320	7·3	52 18·34	−0·01	3·0210	·034	−0·019	48 48 10·7	0·0	20·036	·01	−0·02	3	9·35	48.4347

4291. $8^m·4$, $11^m·4$ 2″·2 173° Mass observed.
4309. $9^m·1$, $9^m·1$ 1″·5 107° Mass observed.
4317. $7^m·4$, $9^m·4$ 1″·0 198° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4321	8·8	11 52 28·38	...	+3·0206	+0·035	...	−49 39 50·5	...	−20·036	−0·01	...	3	9·33	49.4668
4322	9·8	52 35·53	...	3·0304	·030	...	44 10 37·0	...	20·036	·01	...	3	8·22	44.5763
4323	8·8	52 41·51	+0·01	3·0300	·030	+0·007	44 46 59·6	−0·1	20·037	·01	−0·04	3	8·27	44.5764
4324	8·3	52 45·36	+0·01	3·0324	·029	+0·004	43 9 47·8	−0·1	20·037	·01	−0·03	5	7·26	43.5608
4325*	7·0*	53 15·59	−0·03	3·0389	·026	−0·008	40 23 28·0	0·0	20·038	·00	0·00	5	6·36	40.5469
4326*	8·5	11 53 23·54	−0·01	+3·0306	+0·033	−0·007	−47 17 38·3	0·0	−20·038	0·00	0·00	3	8·28	47.5258
4327	7·5*	53 30·35	−0·01	3·0371	·029	−0·004	42 52 51·0	−0·2	20·039	·00	−0·06	5	6·41	42.5583
4328	8·9	53 46·73	−0·03	3·0404	·027	−0·011	41 19 2·8	+0·1	20·039	·00	+0·02	5	7·26	41.5655
4329	8·4	53 58·58	−0·02	3·0336	·034	−0·009	47 47 5·0	+0·3	20·040	·00	+0·17	3	8·22	47.5265
4330	7·8	54 5·62	−0·01	3·0376	·031	−0·004	45 16 30·4	0·0	20·040	·00	−0·01	3	8·31	45.5719
4331	6·7†	11 54 6·14	0·00	+3·0296	+0·038	−0·004	−51 8 23·2	0·0	−20·040	0·00	−0·01	3	9·24	51.4669
4332	9·8	54 10·35	...	3·0309	·037	...	50 33 48·6	...	20·040	·00	...	3	9·29	50.4716
4333	8·3	54 22·86	...	3·0333	·036	...	49 56 45·9	...	20·041	·00	...	3	9·32	49.4714
4334	8·0	54 23·15	0·00	3·0352	·035	−0·004	48 35 0·4	0·0	20·041	·00	−0·03	3	9·35	48.4386
4335	7·5	54 29·41	0·00	3·0389	·032	+0·002	46 4 33·8	0·0	20·041	·00	−0·02	3	8·28	45.5722
4336	8·8*	11 54 48·25	0·00	+3·0457	+0·027	−0·001	−41 11 42·1	−0·1	−20·042	0·00	−0·03	5	6·38	41.5664
4337	8·5*	54 52·73	0·00	3·0458	·028	0·000	41 32 6·9	+0·1	20·042	·00	+0·03	5	6·39	41.5666
4338	8·3	54 59·40	−0·04	3·0418	·032	−0·021	46 13 29·1	−0·2	20·042	·00	−0·09	3	8·25	46.5607
4339	8·7	55 3·68	−0·02	3·0442	·030	−0·011	44 18 13·4	−0·1	20·042	·00	−0·04	3	8·28	44.5775
4340	9·7	55 5·71	...	3·0440	·031	...	44 44 26·1	...	20·042	·00	...	3	8·34	44.5776
4341	8·0	11 55 13·74	−0·02	+3·0424	+0·033	−0·011	−47 5 54·8	−0·1	−20·042	0·00	−0·05	3	8·27	46.5609
4342	9·3	55 55·39	...	3·0448	·036	...	49 7 20·5	...	20·044	·00	...	3	9·25	48.4409
4343	9·5	56 6·56	−0·03	3·0533	·026	−0·009	39 59 42·7	−0·2	20·044	·00	−0·06	5	6·92	39.5360
4344	9·7	56 10·73	...	3·0499	·031	...	45 12 16·7	...	20·044	·00	...	3	8·23	45.5741
4345	9·3	56 10·84	...	3·0516	·029	...	42 52 28·1	...	20·044	·00	...	5	6·73	42.5607
4346	9·2	11 56 33·97	0·00	+3·0470	+0·039	−0·005	−51 39 46·0	−0·1	−20·045	0·00	−0·08	3	9·29	51.4715
4347	7·3	56 37·48	−0·03	3·0550	·028	−0·010	41 16 19·0	−0·2	20·045	·00	−0·05	5	6·73	41.5680
4348	9·0	56 56·79	−0·02	3·0552	·030	−0·008	43 51 4·7	−0·4	20·045	·00	−0·15	5	7·27	43.5628
4349	9·0	57 8·46	−0·02	3·0536	·035	−0·025	48 10 3·1	0·0	20·045	·00	0·00	3	9·24	48.4436
4350	9·1	57 40·48	...	3·0600	·029	...	42 12 57·7	...	20·046	·00	...	5	6·93	42.5616
4351	8·8	11 57 40·57	...	+3·0580	+0·033	...	−46 30 58·5	...	−20·046	0·00	...	3	8·21	46.5634
4352	8·0*	57 48·63	−0·02	3·0610	·028	−0·005	41 36 43·7	−0·1	20·046	·00	−0·03	5	6·55	41.5690
4353	8·0*	57 53·80	−0·03	3·0609	·029	−0·012	42 46 51·2	+0·2	20·046	·00	+0·07	5	7·27	42.5619
4354	7·5	57 58·92	−0·01	3·0594	·034	−0·003	47 38 16·7	−0·1	20·046	·00	−0·03	3	8·25	47.5309
4355	9·0	57 59·17	−0·02	3·0601	·032	−0·013	45 58 14·9	−0·1	20·046	·00	−0·07	3	8·30	45.5752
4356	8·3	11 58 37·37	+0·02	+3·0646	+0·030	+0·006	−43 33 59·7	−0·1	−20·046	+0·01	−0·04	5	7·28	43.5638
4357	9·1	58 41·58	−0·02	3·0642	·034	−0·012	46 52 2·4	−0·1	20·046	·01	−0·04	3	8·25	46.5651
4358	9·5	58 50·51	...	3·0646	·036	...	48 53 50·3	...	20·047	·01	...	3	9·25	48.4461
4359	7·9	58 56·40	−0·02	3·0669	·028	−0·005	41 9 8·4	−0·1	20·047	·01	−0·03	5	6·77	41.5704
4360	9·3	59 6·84	...	3·0679	·027	...	40 14 45·1	...	20·047	·01	...	5	7·11	40.5512

4325. $7^m·0$, $11^m·0$ 3″·4 310° Faint star not seen.

4326. $9^m.2$, $9^m·3$ 1″·9 177° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4361	8·2	11 59 26·06	...	+3·0684	+0·037	...	−49 28 55·5	...	−20·047	+0·01	...	3	9·29	49.4802
4362	8·3	59 35·90	...	3·0693	·040	...	51 47 49·4	...	20·047	·01	...	3	9·34	51.4775
4363	8·2	59 42·43	...	3·0702	·038	...	50 17 47·8	...	20·047	·01	...	3	9·25	50.4802
4364	9·3	59 42·90	...	3·0705	·034	...	47 6 59·9	...	20·047	·01	...	3	8·22	46.5663
4365	8·9	59 51·00	−0·01	3·0714	·032	−0·005	45 38 20·9	−0·1	20·047	·01	−0·08	3	8·27	45.5765
4366	9·8	12 0 13·64	...	+3·0738	+0·035	...	−47 45 13·4	...	−20·047	+0·01	...	3	8·32	47.5330
4367	8·5	0 17·05	...	3·0743	·039	...	50 54 14·1	...	20·047	·01	...	3	9·31	50.4816
4368	9·0	0 20·90	−0·01	3·0741	·029	−0·003	41 49 26·4	−0·1	20·047	·01	−0·03	5	7·10	41.5712
4369	8·5*	0 33·99	−0·02	3·0751	·027	−0·005	40 15 27·5	+0·1	20·047	·01	+0·02	5	6·89	40.5520
4370	9·0	0 43·31	−0·01	3·0775	·039	−0·010	51 19 31·6	+0·1	20·047	·01	+0·11	3	9·25	51.4799
4371	8·8	12 0 45·39	0·00	+3·0774	+0·037	+0·007	−49 17 46·8	0·0	−20·047	+0·01	−0·03	3	9·30	49.4828
4372	9·4	1 5·17	...	3·0789	·033	...	46 18 15·3	...	20·047	·01	...	3	8·22	46.5679
4373	8·3	1 5·64	−0·01	3·0785	·031	−0·005	43 57 18·5	0·0	20·047	·01	+0·01	12	7·20	43.5661
4374	8·5	1 6·60	−0·01	3·0797	·036	−0·011	48 42 2·6	0·0	20·047	·01	−0·03	3	9·31	48.4507
4375	9·8	1 40·34	...	3·0827	·034	...	46 53 55·9	...	20·046	·01	...	3	8·27	46.5683
4376	9·4	12 1 51·54	−0·04	+3·0815	+0·027	−0·014	−40 16 39·0	−0·2	−20·046	+0·01	−0·08	4	7·07	40.5528
4377	8·5	1 59·29	...	3·0860	·038	...	49 53 48·6	...	20·046	·01	...	3	9·25	49.4851
4378	8·8	2 3·00	0·00	3·0875	·040	−0·003	51 46 45·5	0·0	20·046	·01	−0·05	3	9·28	51.4839
4379	7·5*	2 13·07	−0·01	3·0842	·030	−0·002	42 41 23·2	−0·1	20·046	·01	−0·02	5	7·28	42.5644
4380	9·5	2 17·64	...	3·0849	·030	...	43 16 31·6	...	20·045	·01	...	4	7·32	43.5670
4381	7·8	12 2 22·65	−0·02	+3·0862	+0·032	−0·009	−45 1 27·9	0·0	−20·045	+0·01	0·00	3	8·22	44.5827
4382	9·0	2 42·04	0·00	3·0864	·029	0·000	41 46 41·3	−0·4	20·045	·01	−0·15	4	7·31	41.5731
4383	9·3	2 48·10	−0·01	3·0885	·032	−0·004	44 49 49·2	−0·1	20·045	·01	−0·06	3	8·29	44.5830
4384	8·3*	2 59·23	0·00	3·0876	·028	0·000	41 15 7·2	+0·1	20·045	·01	+0·02	5	6·57	41.5735
4385	6·0*	3 3·93	0·00	3·0923	·036	−0·003	48 8 8·0	0·0	20·045	·02	−0·04	5	9·32	47.5353
4386	9·0	12 3 28·13	−0·01	+3·0894	+0·028	−0·003	−40 13 35·6	+0·1	−20·045	+0·02	+0·03	5	7·29	40.5540
4387	9·3	3 35·20	−0·03	3·0954	·036	−0·017	47 49 31·5	+0·2	20·044	·02	+0·09	3	8·22	47.5359
4388	6·0†	3 43·33	−0·02	3·0931	·031	−0·007	43 46 5·2	−0·2	20·044	·02	−0·07	5	7·28	43.5682
4389	9·0	3 54·69	−0·02	3·1001	·039	−0·020	50 35 22·9	0·0	20·044	·02	−0·04	3	9·25	50.4875
4390	8·0*	4 9·88	−0·03	3·0944	·030	−0·009	42 16 53·5	−0·1	20·043	·02	−0·03	5	6·94	42.5658
4391	9·6	12 4 19·39	...	+3·0983	+0·034	...	−45 55 10·8	...	−20·043	+0·02	...	3	8·29	45.5800
4392	9·4	4 45·56	−0·02	3·0971	·029	−0·005	41 41 24·2	+0·1	20·042	·02	+0·04	5	6·94	41.5745
4393	8·3	4 55·61	−0·02	3·1050	·037	−0·024	48 37 21·1	0·0	20·042	·02	−0·03	3	9·25	48.4569
4394	8·5	4 59·49	−0·01	3·1030	·034	−0·004	46 25 50·2	−0·2	20·042	·02	−0·09	3	8·22	46.5721
4395	8·9	5 1·10	...	3·1043	·035	...	47 31 52·4	...	20·042	·02	...	3	8·31	47.5379
4396	9·0	12 5 4·29	−0·02	+3·0997	+0·030	−0·009	−42 52 10·7	−0·1	−20·042	+0·02	−0·02	5	7·31	42.5665
4397	9·1†	5 11·41	...	3·1008	·031	...	43 18 51·4	...	20·041	·02	...	5	7·32	43.5692
4398	9·1	5 14·34	0·00	3·1021	·032	0·00	44 16 10·5	−0·1	20·041	·02	−0·03	3	8·30	44.5855
4399	8·6†	5 31·02	...	3·1007	·029	...	41 28 28·9	...	20·041	·02	...	4	6·38	41.5749
4400	9·6	5 34·91	...	3·1021	·030	...	42 29 52·2	...	20·041	·02	...	4	7·31	42.5667

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4401	8·6	12 5 52·04	...	+3·1123	+0·038	...	−49 27 11·5	...	−20·040	+0·02	...	3	9·26	49.4923
4402*	8·5	6 1·42	0·00	3·1167	·041	−0·005	51 39 38·4	0·0	20·040	·02	0·00	3	9·29	51.4925
4403	7·0	6 19·80	−0·02	3·1176	·040	−0·024	50 48 3·6	−0·1	20·039	·02	−0·08	3	9·31	50.4923
4404	8·2	6 27·61	...	3·1123	·035	...	46 41 1·0	...	20·039	·02	...	3	8·22	46.5737
4405	8·6	6 45·25	0·00	3·1196	·039	−0·005	50 12 48·0	+0·1	20·038	·02	+0·16	3	9·28	50.4938
4406	9·5	12 6 46·09	...	+3·1173	+0·037	...	−48 45 50·9	...	−20·038	+0·02	...	3	9·30	48.4602
4407	9·0	6 46·38	...	3·1135	·034	...	46 15 2·4	...	20·038	·02	...	3	8·30	46.5741
4408	8·5	7 1·36	−0·01	3·1146	·034	−0·008	45 51 32·2	−0·1	20·037	·02	−0·06	3	8·28	45.5828
4409	8·3†	7 14·63	...	3·1123	·031	...	43 26 35·0	...	20·037	·02	...	5	6·59	43.5705
4410	8·5	7 25·99	0·00	3·1156	·033	−0·002	44 58 20·7	−0·1	20·036	·02	−0·08	3	8·32	44.5878
4411	9·0	12 7 30·60	...	+3·1195	+0·035	...	−47 6 17·7	...	−20·036	+0·02	...	3	8·25	46.5748
4412	8·4	7 39·94	−0·02	3·1160	·032	−0·009	44 20 8·4	0·0	20·036	·02	−0·01	3	8·27	44.5880
4413	9·5*	8 7·05	−0·04	3·1155	·030	−0·011	42 23 43·8	+0·3	20·034	·02	+0·09	5	6·58	42.5681
4414	9·0	8 15·60	0·00	3·1263	·037	−0·002	48 14 18·7	0·0	20·034	·03	−0·01	3	9·25	48.4620
4415	9·5	8 29·69	...	3·1167	·030	...	41 51 45·9	...	20·033	·03	...	5	7·30	41.5761
4416	8·6	12 8 37·82	−0·01	+3·1236	+0·034	−0·004	−45 31 50·3	−0·1	−20·033	+0·03	−0·07	3	8·25	45.5840
4417	9·0	8 41·38	−0·04	3·1153	·028	−0·012	40 18 50·4	−0·4	20·032	·03	−0·12	5	6·94	40.5578
4418	9·0	8 46·71	...	3·1332	·039	...	49 55 55·5	...	20·032	·03	...	5	9·33	49.4977
4419	9·0*	9 11·53	−0·04	3·1199	·030	−0·013	41 36 19·3	0·0	20·031	·03	0·00	5	6·78	41.5768
4420	8·0*	9 30·19	−0·02	3·1254	·032	−0·005	43 46 49·5	−0·3	20·030	·03	−0·07	5	6·39	43.5723
4421	8·8	12 9 34·69	...	+3·1417	+0·041	...	−51 10 26·0	...	−20·029	+0·03	...	3	9·25	51.4985
4422	8·0	9 37·78	...	3·1257	·032	...	43 33 20·2	...	20·029	·03	...	4	7·29	43.5725
4423	8·5	9 41·47	...	3·1338	·036	...	47 23 31·1	...	20·029	·03	...	3	8·22	47.5433
4424	8·0*	9 46·69	−0·09	3·1212	·029	−0·033	40 34 51·8	−0·3	20·028	·03	−0·11	4	7·28	40.5591
4425	6·5*	10 19·53	−0·10	3·1252	·030	−0·030	41 21 7·8	−0·7	20·026	·03	−0·21	4	6·64	41.5776
4426	9·0	12 10 21·56	−0·01	+3·1250	+0·029	−0·002	−41 4 20·0	+0·1	−20·026	+0·03	+0·04	4	7·33	40.5596
4427	9·0	10 30·60	−0·01	3·1468	·041	−0·007	50 33 16·2	0·0	20·026	·03	−0·05	3	9·28	50.5020
4428	9·8	10 38·09	...	3·1276	·030	...	41 43 51·9	...	20·025	·03	...	4	7·35	41.5780
4429	9·0	10 40·58	...	3·1299	·031	...	42 46 30·1	...	20·025	·03	...	4	7·36	42.5697
4430	9·5*	10 42·96	−0·01	3·1305	·031	−0·002	43 0 19·9	−0·2	20·025	·03	−0·07	4	7·36	42.5698
4431	9·0*	12 10 51·92	−0·01	+3·1262	+0·029	−0·002	−40 24 22·8	−0·2	−20·024	+0·03	−0·09	4	7·30	40.5602
4432	9·6	10 52·15	...	3·1398	·036	...	46 49 37·1	...	20·024	·03	...	3	8·22	46.5781
4433	8·9	10 55·91	...	3·1466	·039	...	49 21 4·0	...	20·024	·03	...	3	9·25	49.5027
4434	9·4	10 59·20	...	3·1302	·030	...	42 2 55·4	...	20·024	·03	...	4	7·11	41.5784
4435	9·8	11 22·22	...	3·1390	·034	...	45 10 31·1	...	20·022	·03	...	3	8·30	45.5862
4436	9·3	12 11 26·89	...	+3·1378	+0·033	...	−44 28 27·1	...	−20·022	+0·03	...	3	8·32	44.5908
4437	9·5	11 33·66	0·00	3·1572	·042	−0·003	51 31 17·1	0·0	20·021	·03	−0·03	3	9·28	51.5014
4438	9·6	11 39·00	...	3·1422	·035	...	45 49 52·3	...	20·021	·03	...	3	8·33	45.5867
4439	8·8	11 48·94	...	3·1514	·039	...	48 56 41·2	...	20·020	·03	...	3	9·25	48.4671
4440	9·5†	12 8·98	...	3·1364	·031	...	42 9 6·8	...	20·019	·03	...	5	6·42	42.5704

4402. $8^m·7$. $10^m·7$ 2″·9 99° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4441	7·8	12 12 17·43	−0·02	+3·1529	+0·038	−0·030	−48 22 6·6	0·0	−20·018	+0·03	−0·06	3	9·35	48.4679
4442	8·3	12 31·35	−0·01	3·1449	·034	−0·008	44 50 14·1	−0·2	20·017	·03	−0·10	3	8·23	44.5917
4443	8·6	12 41·92	−0·01	3·1593	·040	−0·008	49 36 11·4	0·0	20·016	·03	+0·03	3	9·28	49.5050
4444	7·0	12 52·29	0·00	3·1675	·043	−0·003	51 45 1·9	0·0	20·015	·03	0·00	3	9·28	51.5038
4445	8·4	13 1·61	0·00	3·1651	·041	−0·004	50 41 20·5	0·0	20·014	·03	+0·01	3	9·35	50.5060
4446	9·3	12 13 17·05	...	+3·1527	+0·035	...	−46 4 52·7	...	−20·013	+0·04	...	3	8·27	45.5867
4447	8·3*	13 18·06	−0·04	3·1434	·031	−0·011	42 30 20·8	−0·2	20·013	·04	−0·05	4	6·42	42.5716
4448	8·5	13 19·39	+0·03	3·1462	·032	+0·010	43 35 18·5	−0·1	20·013	·04	−0·05	4	7·30	43.5748
4449	9·3	13 57·31	...	3·1699	·041	...	50 11 17·1	...	20·010	·04	...	3	9·25	50.5079
4450	8·7	14 25·95	0·00	3·1546	·033	−0·002	44 21 36·8	−0·1	20·007	·04	−0·06	3	8·22	44.5928
4451	7·9	12 14 36·57	0·00	+3·1662	+0·038	+0·001	−47 45 38·6	−0·1	−20·006	+0·04	−0·04	3	8·27	47.5483
4452	8·8†	14 37·82	...	3·1490	·031	...	41 56 27·8	...	20·006	·04	...	4	6·42	41.5820
4453	7·5	14 41·96	0·00	3·1463	·030	+0·001	40 48 14·6	−0·1	20·005	·04	−0·02	5	6·93	40.5642
4454	8·5	14 46·18	−0·03	3·1482	·030	−0·012	41 23 24·3	−0·3	20·005	·04	−0·12	4	7·29	41.5823
4455	8·9	14 46·46	−0·01	3·1655	·037	−0·003	47 14 36·8	0·0	20·005	·04	−0·02	3	8·31	47.5485
4456	8·8	12 15 10·79	−0·01	+3·1532	+0·031	−0·005	−42 25 3·0	−0·2	−20·003	+0·04	−0·06	4	7·29	42.5727
4457	9·4	15 27·71	...	3·1649	·035	...	45 45 22·1	...	20·001	·04	...	3	8·23	45.5896
4458	8·8	15 39·83	...	3·1672	·036	...	46 5 27·4	...	20·000	·04	...	3	8·30	45.5902
4459	9·0	15 53·01	...	3·1775	·039	...	48 39 23·2	...	19·998	·04	...	3	9·25	48.4730
4460*	8·9	15 56·73	0·00	3·1647	·034	−0·002	44 49 54·6	−0·3	19·998	·04	−0·17	3	8·31	44.5940
4461	8·7	12 16 9·31	0·00	+3·1722	+0·036	−0·001	−46 42 50·8	−0·1	−19·997	+0·04	−0·04	3	8·30	46.5818
4462	9·1	16 13·92	...	3·1814	·040	...	49 4 12·1	...	19·997	·04	...	3	9·30	48.4739
4463	8·0	16 39·97	0·00	3·1931	·043	0·000	51 12 2·2	0·0	19·994	·04	−0·04	3	9·29	51.5100
4464	8·6	16 43·43	−0·01	3·1919	·042	−0·015	50 49 51·2	+0·1	19·993	·04	+0·11	3	9·36	50.5122
4465	9·4	16 54·26	...	3·1814	·038	...	47 56 51·0	...	19·992	·04	...	3	8·25	47.5506
4466	8·5*	12 17 4·25	−0·02	+3·1647	+0·032	−0·005	−42 54 33·1	0·0	−19·991	+0·04	−0·01	5	6·42	42.5738
4467	8·7	17 31·22	0·00	3·1919	·040	−0·003	49 30 44·4	0·0	19·988	·04	−0·01	3	9·25	49.5136
4468	8·0	17 31·47	−0·01	3·1748	·035	−0·007	45 6 13·3	−0·1	19·988	·04	−0·04	3	8·24	44.5949
4469	9·3†	17 38·42	...	3·1594	·030	...	40 17 55·9	...	19·987	·04	...	5	7·09	40.5668
4470	9·5	17 44·62	...	3·1836	·037	...	47 5 16·8	...	19·987	·04	...	3	8·30	46.5828
4471	8·0	12 17 47·20	0·00	+3·2043	+0·044	−0·001	−51 51 54·9	0·0	−19·986	+0·04	−0·04	3	9·30	51.5129
4472	8·2*	18 7·45	−0·01	3·1650	·031	−0·003	41 17 33·7	−0·1	19·984	·04	−0·05	4	7·07	41.5850
4473	8·5	18 8·41	−0·01	3·1735	·033	−0·002	43 45 56·8	−0·5	19·984	·05	−0·15	4	6·86	43.5773
4474	8·9	18 16·89	−0·01	3·1763	·034	−0·006	44 18 8·7	−0·2	19·983	·05	−0·12	3	8·25	44.5952
4475	9·6†	18 34·84	...	3·1693	·031	...	41 50 45·7	...	19·981	·05	...	4	7·31	41.5854
4476	9·5	12 18 37·11	−0·01	+3·1706	+0·032	−0·002	−42 10 32·4	0·0	−19·981	+0·05	0·00	4	6·13	42.5747
4477*	Var.	19 11·98	...	3·2005	·040	...	48 53 8·8	...	19·976	·05	...	3	9·25	48.4779
4478	9·4	19 11·99	...	3·2070	·042	...	50 17 53·7	...	19·976	·05	...	3	9·32	50.5149
4479	9·0	19 32·07	...	3·1801	·033	...	43 27 17·4	...	19·974	·05	...	4	6·60	43.5777
4480	8·1	19 32·39	+0·01	3·1926	·037	+0·005	46 35 51·6	−0·1	19·974	·05	−0·06	3	8·22	46.5836

4460. $9^m·6, 9^m·7$ 0″·6 306° Mass observed.

4477. L = $7^m·$— ?

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″				°
4481	8·4	12 19 37·22	...	+3·2068	+0·041	...	−49 38 14·0	...	−19·973	+0·05	...	3	9·31	49.5164
4482	9·4†	19 40·72	...	3·1773	·032	...	42 29 10·0	...	19·973	·05	...	4	7·30	42.5756
4483	8·0	19 46·98	0·00	3·1992	·038	−0·001	47 45 17·7	0·0	19·972	·05	−0·01	3	8·27	47.5523
4484	6·5*	19 50·56	−0·04	3·1762	·032	−0·013	41 57 34·0	−0·1	19·972	·05	−0·04	12	7·12	41.5869
4485	8·6	19 55·21	...	3·1878	·035	...	44 52 43·9	...	19·971	·05	...	3	8·30	44.5962
4486	8·6	12 20 4·39	−0·01	+3·1894	+0·035	−0·005	−45 4 16·3	−0·1	−19·970	+0·05	−0·05	3	8·34	44.5963
4487	10·0*	20 16·63	−0·10	3·1725	·030	−0·038	40 17 54·2	+0·5	19·968	·05	+0·18	4	7·36	40.5695
4488	9·6†	20 21·78	...	3·1825	·033	...	42 53 29·4	...	19·967	·05	...	4	7·31	42.5759
4489	9·0*	20 30·09	−0·02	3·1809	·032	−0·005	42 16 23·1	−0·1	19·967	·05	−0·03	4	6·84	42.5762
4490	7·2	20 38·65	−0·01	3·2108	·040	−0·012	49 2 4·2	0·0	19·965	·05	0·00	5	9·36	48.4789
4491	8·5*	12 21 6·37	0·00	+3·1857	+0·032	−0·001	−42 42 24·0	−0·1	−19·962	+0·05	−0·04	5	6·91	42.5770
4492	5·5*	21 7·47	−0·01	3·2236	·043	−0·008	50 53 47·2	0·0	19·962	·05	−0·04	3	9·25	50.5171
4493	7·8	21 10·77	−0·01	3·1923	·034	−0·008	44 11 42·8	0·0	19·961	·05	0·00	3	8·22	44.5967
4494	8·8	21 16·04	−0·02	3·1800	·031	−0·008	40 59 30·8	0·0	19·961	·05	−0·01	4	7·33	40.5708
4495	8·5*	21 28·07	+0·01	3·1928	·034	+0·004	43 55 57·6	−0·1	19·959	·05	−0·04	5	6·42	43.5788
4496	6·5*	12 21 31·34	−0·04	+3·2132	+0·040	−0·063	−48 21 25·7	−0·1	−19·958	+0·05	−0·09	3	9·29	48.4799
4497	8·9	21 33·37	−0·01	3·2071	·038	−0·003	47 2 17·0	−0·2	19·958	·05	−0·14	5	8·30	46.5846
4498	8·8	21 33·72	+0·01	3·2063	·038	+0·003	46 50 32·9	−0·2	19·958	·05	−0·09	3	8·29	46.5845
4499	9·0	21 34·70	...	3·1902	·033	...	43 9 30·0	...	19·958	·05	...	4	7·30	43.5789
4500	8·9	22 0·82	...	3·2313	·044	...	51 6 45·0	...	19·954	·05	...	3	9·25	50.5189
4501	8·8	12 22 12·16	−0·01	+3·2074	+0·037	−0·004	−46 14 44·5	−0·1	−19·953	+0·05	−0·04	3	8·22	46.5850
4502	4·5*	22 37·78	0·00	3·2276	·042	−0·005	49 40 36·0	0·0	19·949	·05	−0·04	3	9·29	49.5201
4503	8·7	23 28·92	−0·02	3·2450	·045	−0·020	51 37 30·0	0·0	19·942	·06	+0·02	3	9·25	51.5200
4504	7·8†	23 34·70	−0·01	3·2365	·042	−0·010	50 5 40·1	0·0	19·941	·06	−0·03	3	9·29	49.5211
4505	8·5*	23 39·57	−0·06	3·1993	·033	−0·016	42 40 50·9	−0·4	19·940	·06	−0·11	5	6·40	42.5795
4506	9·0	12 23 56·75	−0·01	+3·2160	+0·037	−0·007	−45 51 47·5	−0·1	−19·937	+0·06	−0·08	3	8·22	45.5936
4507	9·0	24 25·05	−0·02	3·2066	·034	−0·007	43 23 27·4	−0·3	19·933	·06	−0·10	5	6·58	43.5800
4508	9·3	24 29·71	0·00	3·2405	·042	−0·003	49 42 10·0	0·0	19·932	·06	+0·01	3	9·29	49.5230
4509	9·3	24 30·12	...	3·2324	·040	...	48 17 54·1	...	19·932	·06	...	3	9·25	48.4828
4510	9·3	24 30·18	...	3·2157	·036	...	45 9 44·6	...	19·932	·06	...	3	8·28	45.5939
4511	7·0*	12 24 38·74	−0·02	+3·2032	+0·033	−0·007	−42 22 36·0	−0·1	−19·931	+0·06	−0·02	5	6·56	42.5808
4512	9·5	24 39·92	...	3·2368	·041	...	48 52 39·3	...	19·931	·06	...	3	9·35	48.4832
4513	8·3	24 50·15	−0·03	3·1996	·032	−0·010	41 22 17·1	+0·1	19·929	·06	+0·04	5	7·10	41.5922
4514	9·0	24 52·60	−0·02	3·2320	·039	−0·010	47 47 18·9	−0·1	19·929	·06	−0·04	3	8·29	47.5550
4515	9·5	25 0·19	...	3·2531	·044	...	51 10 12·5	...	19·927	·06	...	3	9·37	51.5222
4516	9·0	12 25 18·10	0·00	+3·2513	+0·043	+0·004	−50 33 25·8	0·0	−19·925	+0·06	+0·03	3	9·28	50.5232
4517	9·3	25 18·78	...	3·2173	·035	...	44 31 38·0	...	19·925	·06	...	3	8·25	44.5992
4518	8·9	25 27·94	...	3·2270	·037	...	46 14 13·0	...	19·923	·06	...	3	8·27	46.5871
4519*	8·0	25 57·12	−0·02	3·2035	·031	−0·008	40 57 7·7	0·0	19·918	·06	−0·01	18	6·96	40.5758
4520	9·5†	25 58·74	...	3·2125	·033	...	42 49 35·3	...	19·918	·06	...	4	6·74	42.5823

4519. $8^m\cdot4, 9^m\cdot4$ $1''\pm$ N.p. Mass observed.

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4521	9·0	12 26 34·87	−0·03	+3·2178	+0·034	−0·010	−43 14 12·8	−0·1	−19·912	+0·06	−0·05	4	7·30	43.5809
4522	8·7	26 59·52	−0·02	3·2416	·039	−0·014	47 8 27·6	0·0	19·911	·06	+0·02	3	8·22	47.5560
4523	9·3	27 5·77	...	3·2467	·040	...	47 52 50·8	...	19·907	·06	...	3	8·28	47.5561
4524	7·6	27 18·32	0·00	3·2306	·036	−0·002	44 54 22·6	−0·2	19·905	·06	−0·11	3	8·30	44.6001
4525	9·0*	27 26·81	−0·03	3·2116	·032	−0·009	41 4 49·8	0·0	19·903	·06	0·00	5	6·39	40.5772
4526	9·4	12 27 33·28	−0·01	+3·2689	+0·044	−0·011	−50 48 23·5	+0·1	−19·902	+0·07	+0·11	3	9·25	50.5270
4527	7·3	27 42·64	−0·01	3·2753	·046	−0·008	51 31 49·3	0·0	19·901	·07	0·00	3	9·30	51.5281
4528	7·0	27 46·51	0·00	3·2655	·043	+0·006	50 5 57·4	0·0	19·900	·07	+0·04	3	9·35	49.5273
4529	8·9	27 49·05	...	3·2279	·035	...	43 53 10·7	...	19·899	·06	...	5	6·94	43.5817
4530	9·3	27 49·85	...	3·2589	·042	...	49 2 52·5	...	19·899	·07	...	3	9·35	48.4864
4531	8·3	12 27 53·63	−0·01	+3·2365	+0·037	−0·005	−45 19 11·2	−0·1	−19·899	+0·07	−0·04	3	8·28	45.5958
4532	9·2	27 55·56	...	3·2571	·041	...	48 39 57·9	...	19·898	·07	...	3	9·39	48.4866
4533	9·0	28 24·94	...	3·2197	·032	...	41 43 1·6	...	19·893	·07	...	5	7·30	41.5961
4534	9·1	28 39·20	...	3·2435	·037	...	45 46 26·7	...	19·890	·07	...	3	8·28	45.5963
4535	7·3	28 40·49	0·00	3·2677	·043	−0·006	49 30 30·0	0·0	19·890	·07	+0·01	3	9·27	49.5286
4536	8·5*	12 28 51·16	−0·02	+3·2145	+0·031	−0·007	−40 16 36·0	+0·1	−19·888	+0·07	+0·04	5	6·56	40.5788
4537	8·5	28 54·72	0·00	3·2500	·038	−0·002	46 34 35·7	−0·2	19·888	·07	−0·14	3	8·29	46.5885
4538	9·0*	29 6·44	−0·02	3·2294	·034	−0·009	42 51 12·1	−0·2	19·885	·07	−0·06	4	7·28	42.5856
4539	9·5	29 17·47	...	3·2277	·033	...	42 21 52·2	0·0	19·883	·07	...	4	7·32	42.5858
4540	9·0*	29 27·31	−0·08	3·2196	·031	−0·028	40 41 6·7	−0·1	19·881	·07	−0·03	4	7·09	40.5796
4541	9·3	12 29 42·78	−0·01	+3·2657	+0·041	−0·008	−48 12 31·7	0·0	−19·879	+0·07	+0·02	3	9·27	48.4891
4542	9·0*	29 48·99	−0·04	3·2291	·033	−0·015	42 7 15·8	0·0	19·877	·07	−0·01	4	7·08	41.5973
4543	8·0	29 56·35	...	3·2363	·034	...	43 16 57·7	...	19·876	·07	...	4	7·09	43.5834
4544	9·4	29 57·05	...	3·2260	·032	...	41 25 50·8	...	19·876	·07	...	4	7·33	41.5974
4545	8·5	30 20·70	+0·01	3·2458	·036	+0·003	44 30 31·2	−0·1	19·871	·07	−0·05	3	8·25	44.6014
4546	6·0*	12 30 22·60	−0·05	+3·2231	+0·031	−0·013	−40 28 15·2	−0·1	−19·871	+0·07	−0·03	5	6·38	40.5805
4547	8·9	30 36·14	−0·01	3·2852	·044	−0·013	50 6 8·9	0·0	19·868	·07	+0·01	3	9·31	49.5316
4548	7·0	30 39·95	0·00	3·2995	·047	+0·005	51 51 58·8	0·0	19·868	·07	0·00	5	9·39	51.5320
4549	8·3	30 41·56	−0·06	3·2317	·033	−0·020	41 45 34·9	0·0	19·867	·07	0·00	4	7·06	41.5983
4550	8·5*	30 42·72	−0·04	3·2348	·033	−0·014	42 17 58·7	−0·3	19·867	·07	−0·11	5	7·12	42.5871
4551	8·6	12 30 46·90	−0·01	+3·2595	+0·038	−0·004	−46 16 40·6	−0·3	−19·866	+0·07	−0·17	3	8·30	46.5898
4552	9·3	30 59·85	...	3·2786	·042	...	48 51 2·5	...	19·864	·07	...	3	9·29	48.4905
4553	9·0	31 8·62	−0·01	3·2545	·037	−0·006	45 9 56·2	−0·2	19·862	·07	−0·11	3	8·34	45.5978
4554	7·0	31 16·06	0·00	3·2873	·044	−0·006	49 47 2·8	0·0	19·861	·07	−0·03	3	9·34	49.5326
4555	8·8	31 21·66	−0·02	3·2727	·040	−0·012	47 42 14·4	+0·2	19·859	·07	+0·13	3	8·25	47.5584
4556	9·5	12 31 27·25	...	+3·2479	+0·035	...	−43 50 28·6	...	−19·858	+0·07	...	5	7·12	43.5841
4557	9·3	31 37·33	...	3·2988	·045	...	50 55 46·3	...	19·856	·07	...	3	9·31	50.5333
4558	8·0*	31 53·28	−0·07	3·2293	·031	−0·020	40 15 41·0	0·0	19·853	·07	0·00	5	6·40	40.5823
4559	9·5	32 2·74	...	3·2882	·043	...	49 11 48·8	...	19·851	·08	...	3	9·29	49.5335
4560	4·0*	32 13·88	−0·04	3·2804	·041	−0·023	47 59 26·4	0·0	19·849	·08	−0·02	5	8·28	47.5588

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4561	8·1	12 32 47·31	−0·02	+3·2736	+0·039	−0·010	−46 33 54·2	−0·1	−19·842	+0·08	−0·03	3	8·26	46.5905
4562	7·8	33 1·90	...	3·2810	·040	...	47 23 33·7	...	19·839	·08	...	3	8·34	47.5595
4563	9·0*	33 10·92	−0·06	3·2470	·033	−0·017	42 9 58·3	−0·3	19·837	·08	−0·10	5	6·60	42.5898
4564	8·6	33 16·48	0·00	3·2637	·037	−0·001	44 41 45·5	−0·1	19·836	·08	−0·03	3	8·27	44.6025
4565	9·3	33 22·38	...	3·2870	·041	...	47 54 23·7	...	19·835	·08	...	3	8·34	47.5599
4566	8·0	12 33 23·06	−0·02	+3·2464	+0·033	−0·005	−41 53 53·7	−0·1	−19·835	+0·08	−0·03	5	6·72	41.6008
4567	9·0	33 34·55	...	3·2534	·034	...	42 52 25·3	...	19·832	·08	...	5	7·29	42.5900
4568	8·9	33 45·23	0·00	3·3166	·046	+0·001	51 14 27·4	0·0	19·830	·08	+0·05	3	9·27	51.5378
4569	9·1	33 52·92	−0·01	3·2711	·037	−0·004	45 16 17·4	−0·1	19·828	·08	−0·06	3	8·26	45.5990
4570	8·5	34 10·57	0·00	3·2667	·036	+0·001	44 22 40·1	0·0	19·824	·08	+0·01	3	8·34	44.6030
4571	9·0	12 34 14·25	−0·06	+3·2503	+0·033	−0·021	−41 49 30·9	−0·2	−19·824	+0·08	−0·06	5	7·13	41.6017
4572	8·3	34 14·54	0·00	3·2985	·042	−0·002	48 38 54·8	0·0	19·824	·08	−0·05	3	9·34	48.4940
4573	9·1	34 18·04	0·00	3·2769	·038	+0·002	45 45 45·6	−0·1	19·822	·08	−0·03	3	8·32	45.5991
4574	9·0	34 41·84	−0·02	3·2500	·033	−0·008	41 23 43·1	−0·2	19·818	·08	−0·07	5	7·10	41.6023
4575	9·5	34 50·12	...	3·3170	·045	...	50 24 7·3	...	19·816	·08	...	3	9·34	50.5380
4576	8·8	12 34 53·16	−0·01	+3·3101	+0·044	−0·013	−49 33 37·8	0·0	−19·815	+0·08	+0·04	3	9·32	49.5367
4577	9·0	34 56·29	−0·04	3·2431	·031	−0·012	40 4 50·9	−0·1	19·814	·08	−0·02	14	6·94	39.5665
4578	7·0*	35 41·73	−0·03	3·2695	·035	−0·011	43 33 7·4	0·0	19·804	·08	−0·01	5	6·93	43.5852
4579	9·3	35 42·60	−0·04	3·2640	·034	−0·014	42 44 3·4	+0·1	19·804	·08	+0·05	5	7·31	42.5926
4580	9·3	35 44·67	...	3·3354	·048	...	51 43 14·8	...	19·803	·08	...	3	9·29	51.5402
4581	9·0	12 35 47·08	0·00	+3·2893	+0·039	0·000	−46 13 58·4	−0·2	−19·803	+0·08	−0·12	3	8·23	46.5921
4582	9·1	36 10·08	...	3·2941	·039	...	46 33 23·1	...	19·798	·08	...	3	8·30	46.5926
4583	8·2	36 23·87	0·00	3·2995	·040	−0·002	47 3 25·8	0·0	19·795	·08	0·00	3	8·28	46.5929
4584	9·5*	36 25·97	−0·02	3·2569	·033	−0·006	41 5 33·4	+0·1	19·794	·08	+0·02	5	7·14	40.5866
4585	9·5	36 52·70	−0·05	3·2716	·035	−0·017	42 55 52·4	+0·3	19·788	·09	+0·11	5	7·10	42.5944
4586	6·0*	12 37 3·25	−0·01	+3·3135	+0·042	−0·012	−48 15 49·5	0·0	−19·785	+0·09	−0·04	3	9·27	48.4978
4587	9·0	37 8·06	...	3·3267	·044	...	49 43 2·1	...	19·784	·09	...	3	9·32	49.5397
4588	8·5	37 19·53	0·00	3·3330	·045	−0·007	50 16 4·8	0·0	19·782	·09	+0·02	3	9·35	50.5409
4589	8·8	37 47·28	−0·01	3·2921	·038	−0·006	45 3 10·5	0·0	19·775	·09	−0·01	3	8·23	44.6043
4590	9·0	37 54·74	...	3·3265	·044	...	49 6 27·4	...	19·773	·09	...	3	9·32	48.4988
4591	8·8	12 37 57·14	...	+3·3161	+0·042	...	−47 53 31·7	...	−19·772	+0·09	...	3	8·30	47.5617
4592	7·0	38 3·20	...	3·2628	·032	...	40 46 26·4	...	19·771	·09	...	5	6·56	40.5879
4593	9·1	38 4·01	0·00	3·2894	·037	0·000	44 29 1·5	0·0	19·771	·09	0·00	3	8·33	44.6044
4594	9·5	38 4·82	...	3·3450	·047	...	50 58 5·1	...	19·770	·09	...	3	9·27	50.5422
4595	9·0*	38 8·47	−0·01	3·2818	·036	−0·005	43 24 55·3	−0·4	19·770	·09	−0·16	5	7·36	43.5865
4596	9·5	12 38 14·82	...	+3·2877	+0·037	...	−44 7 37·2	...	−19·768	+0·09	...	3	8·33	43.5866
4597	9·3	38 39·77	0·00	3·3112	·040	−0·002	46 46 48·3	0·0	19·762	·09	+0·01	3	8·30	46.5949
4598	9·3	38 45·14	−0·03	3·2746	·034	−0·009	41 58 25·3	−0·4	19·760	·09	−0·13	4	7·07	41.6062
4599	8·5*	38 51·61	−0·07	3·2721	·033	−0·022	41 31 56·8	−0·1	19·759	·09	−0·02	4	6·85	41.6063
4600	9·0	38 59·60	−0·01	3·3052	·039	−0·003	45 48 37·1	0·0	19·757	·09	+0·02	3	8·23	45.6015

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			
4601	9·1	12 39 0·00	...	+3·2792	+0·035	...	−42 25 39·5	...	−19·757	+0·09	...	4	7·32	42.5964
4602	9·9	39 25·57	...	3·3595	·048	...	51 27 5·5	...	19·751	·09	...	3	9·35	51.5463
4603	8·4	39 41·58	0·00	3·3141	·040	0·000	46 23 13·8	−0·1	19·746	·09	−0·05	3	8·30	46.5958
4604	8·8	39 47·44	...	3·3528	·046	...	50 32 53·1	...	19·745	·09	...	3	9·34	50.5449
4605	8·8	39 54·77	−0·06	3·2724	·033	−0·018	40 49 5·8	−0·2	19·743	·09	−0·06	5	6·94	40.5896
4606	7·3	12 40 8·31	−0·03	+3·3462	+0·045	−0·036	−49 37 48·8	−0·1	−19·740	+0·09	−0·10	3	9·27	49.5442
4607	8·6	40 9·42	−0·01	3·3289	·042	−0·007	47 45 52·1	0·0	19·740	·09	+0·02	3	8·36	47.5639
4608	9·3	40 13·85	−0·02	3·2811	·034	−0·006	41 48 11·4	0·0	19·738	·09	0·00	4	7·31	41.6083
4609	7·9	40 18·51	0·00	3·3087	·038	0·000	45 17 53·0	0·0	19·737	·09	−0·02	3	8·37	45.6027
4610	8·6	40 31·09	−0·01	3·3070	·038	−0·005	44 57 15·6	0·0	19·734	·09	0·00	5	8·33	44.6056
4611	9·2	12 40 36·31	...	+3·2809	+0·034	...	−41 31 33·3	...	−19·733	+0·09	...	4	7·32	41.6089
4612	8·9	40 40·26	0·00	3·3414	·043	0·000	48 45 53·7	0·0	19·732	·09	−0·02	3	9·32	48.5022
4613	8·0	40 42·47	...	3·2960	·036	...	43 27 5·6	...	19·731	·09	...	4	6·63	43.5881
4614	10·0	41 2·04	...	3·3002	·036	...	43 45 11·7	...	19·726	·09	...	4	7·33	43.5886
4615	8·1	41 8·09	−0·02	3·3258	·040	−0·011	46 44 0·4	0·0	19·725	·10	−0·02	3	8·31	46.5969
4616	9·0	12 41 26·09	...	+3·3786	+0·049	...	−51 53 26·6	...	−19·720	+0·10	...	3	9·27	51.5490
4617	8·1†	41 40·38	...	3·2929	·035	...	42 22 57·6	...	19·716	·10	...	5	6·58	42.5983
4618	8·7	42 14·76	−0·01	3·3639	·046	−0·007	49 57 56·2	−0·1	19·707	·10	−0·08	3	9·28	49.5462
4619	9·3	42 15·39	0·00	3·3368	·041	0·000	47 12 1·4	0·0	19·707	·10	+0·02	3	8·33	47.5653
4620	9·0	42 17·19	0·00	3·3466	·043	+0·001	48 12 23·7	0·0	19·706	·10	−0·07	3	9·33	48.5037
4621	9·0	12 42 22·27	0·00	+3·3262	+0·039	+0·002	−45 56 35·3	−0·1	−19·705	+0·10	−0·06	3	8·37	45.6044
4622	7·6	42 43·56	0·00	3·3130	·037	−0·002	44 10 21·4	0·0	19·699	·10	−0·01	5	8·33	44.6067
4623	8·5*	42 50·55	−0·05	3·3022	·035	−0·015	42 47 12·5	+0·3	19·697	·10	+0·09	5	6·58	42.5991
4624	8·3	43 0·19	−0·02	3·3205	·038	−0·014	44 52 24·8	−0·1	19·695	·10	−0·04	3	8·31	44.6069
4625	8·6	43 30·93	...	3·3109	·036	...	43 24 13·4	...	19·686	·10	...	4	7·08	43.5907
4626	9·1	12 43 34·17	...	+3·3343	+0·040	...	−46 3 35·1	...	−19·686	+0·10	...	3	8·34	45.6053
4627	9·6	43 34·93	...	3·3624	·044	...	48 57 26·3	...	19·685	·10	...	3	9·32	48.5052
4628	8·0*	43 35·79	−0·02	3·3006	·035	−0·007	42 5 20·4	+0·1	19·685	·10	+0·03	4	7·05	41.6100
4629	7·0*	43 52·31	−0·02	3·2874	·032	−0·006	40 13 50·1	0·0	19·680	·10	−0·01	4	6·85	40.5919
4630	8·6	43 57·33	−0·01	3·3295	·039	−0·005	45 16 45·6	−0·2	19·679	·10	−0·11	3	8·30	45.6055
4631	9·0	12 43 58·97	−0·01	+3·3073	+0·035	−0·003	−42 40 0·4	+0·1	−19·678	+0·10	+0·02	4	6·86	42.5999
4632	7·8	44 8·10	−0·01	3·3864	·048	−0·008	50 50 50·2	0·0	19·676	·10	−0·05	3	9·32	50.5496
4633	9·2	44 10·87	...	3·3807	·047	...	50 18 1·7	...	19·675	·10	...	3	9·37	50.5497
4634	8·0	44 15·31	−0·01	3·3707	·045	−0·008	49 19 22·2	0·0	19·674	·10	−0·06	3	9·33	49.5490
4635	7·0	44 41·85	−0·01	3·3591	·043	−0·006	47 54 53·1	0·0	19·667	·10	−0·01	3	8·33	47.5674
4636	7·9	12 44 49·15	−0·01	+3·3476	+0·041	−0·006	−46 40 36·1	−0·1	−19·665	+0·10	−0·09	3	8·35	46.5987
4637	7·9	44 50·83	0·00	3·4012	·049	−0·007	51 41 20·2	0·0	19·664	·11	0·00	3	9·34	51.5538
4638	9·3*	44 58·63	−0·04	3·3018	·034	−0·010	41 21 41·1	+0·2	19·662	·10	+0·05	4	6·41	41.6109
4639	9·5	45 12·28	...	3·3136	·035	...	42 38 40·7	...	19·658	·10	...	4	6·85	42.6005
4640	9·1	45 24·90	...	3·3671	·043	...	48 14 58·3	...	19·654	·11	...	3	9·30	48.5085

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4641	8·5	12 45 28·70	−0·01	+3·3222	+0·036	−0·003	−43 28 16·6	0·0	−19·653	+0·10	0·00	4	7·28	43.5916
4642	8·8	45 34·81	...	3·3432	·040	...	45 44 3·7	...	19·652	·10	...	3	8·30	45.6072
4643	9·3	46 0·84	−0·05	3·3106	·035	−0·018	41 47 55·6	0·0	19·644	·10	−0·01	4	7·30	41.6115
4644	9·2	46 22·60	...	3·3576	·041	...	46 43 44·1	...	19·638	·11	...	3	8·33	46.6003
4645	8·9	46 23·92	0·00	3·3905	·046	−0·005	49 49 12·1	0·0	19·637	·11	0·00	3	9·30	49.5522
4646	7·2	12 46 27·05	−0·02	+3·3664	+0·043	−0·012	−47 33 1·6	0·0	−19·636	+0·11	−0·01	3	8·33	47.5692
4647	7·8	46 42·33	...	3·3840	·045	...	49 3 17·1	...	19·632	·11	...	3	9·31	48.5101
4648	8·9	46 51·26	...	3·4064	·048	...	50 55 26·2	...	19·629	·11	...	3	9·36	55.5533
4649	8·5*	47 2·25	−0·02	3·3041	·033	−0·005	40 23 48·1	−0·2	19·626	·11	−0·06	4	6·82	40.5939
4650	9·2	47 10·19	−0·01	3·3559	·040	−0·007	46 4 59·8	−0·1	19·624	·11	−0·06	3	8·30	45.6088
4651	8·5*	12 47 30·44	−0·03	+3·3280	+0·036	−0·010	−42 54 45·8	−0·3	−19·617	+0·11	−0·10	16	7·06	42.6018
4652	7·9	47 41·84	−0·02	3·3446	·038	−0·010	44 35 54·6	−0·1	19·614	·11	−0·03	3	8·32	44.6114
4653	9·3	48 11·50	...	3·3809	·043	...	47 52 59·3	...	19·605	·11	...	3	8·32	47.5708
4654	8·0	48 28·22	−0·01	3·4165	·048	−0·011	50 49 22·5	0·0	19·600	·11	0·00	3	9·31	50.5557
4655	9·2†	48 39·49	...	3·3428	·037	...	43 51 31·4	...	19·596	·11	...	4	7·29	43.5933
4656	9·6	12 48 52·15	...	+3·3941	+0·045	...	−48 41 31·3	...	−19·593	+0·11	...	3	9·36	48.5133
4657	9·0	48 55·82	...	3·3491	·038	...	44 20 41·5	...	19·591	·11	...	3	8·34	44.6127
4658	9·1	49 5·88	...	3·3746	·042	...	46 46 36·3	...	19·588	·11	...	3	8·36	46.6026
4659	9·4	49 19·65	...	3·3586	·039	...	45 5 6·7	...	19·584	·11	...	3	8·31	44.6133
4660	8·6	49 23·37	0·00	3·4286	·049	−0·006	51 15 57·5	0·0	19·583	·12	+0·03	3	9·33	51.5618
4661	6·5*	12 49 24·24	−0·06	+3·3444	+0·037	−0·023	−43 36 11·1	−0·7	−19·583	+0·11	−0·25	4	7·29	43.5940
4662	9·5	49 30·97	...	3·3392	·036	...	42 58 41·4	...	19·581	·11	...	4	7·36	42.6027
4663	7·0*	49 32·42	0·00	3·3282	·035	0·000	41 44 54·2	−0·1	19·580	·11	−0·03	4	7·33	41.6130
4664	8·8	49 34·25	−0·02	3·4150	·047	−0·031	50 4 25·9	0·0	19·580	·12	+0·02	3	9·31	49.5558
4665	8·7†	49 42·89	...	3·3207	·034	...	40 48 0·5	...	19·577	·11	...	4	7·40	40.5955
4666	6·0*	12 49 44·42	−0·02	+3·3348	+0·036	−0·006	−42 22 23·3	−0·1	−19·577	+0·11	−0·05	4	7·30	42.6031
4667	7·9	50 19·55	−0·02	3·3900	·043	−0·014	47 29 36·4	−0·1	19·565	·12	−0·03	3	8·30	47.5734
4668	9·3	50 22·06	...	3·3696	·040	...	45 34 39·6	...	19·565	·12	...	3	8·34	45.6109
4669	8·5	50 28·05	...	3·3213	·033	...	40 27 17·7	...	19·562	·11	...	4	7·32	40.5960
4670	9·7	50 37·74	...	3·4192	·047	...	49 49 45·0	...	19·559	·12	...	3	9·34	49.5571
4671	9·4	12 50 45·01	−0·02	+3·3450	+0·036	−0·009	−42 53 58·0	−0·1	−19·557	+0·12	−0·05	4	7·31	42.6042
4672	9·3	50 46·13	−0·01	3·3591	·038	−0·008	44 19 34·8	0·0	19·557	·12	−0·03	3	8·35	44.6141
4673*	7·6	50 58·90	−0·02	3·3901	·042	−0·010	47 8 40·1	0·0	19·553	·12	0·00	3	8·34	47.5737
4674	9·2†	51 8·58	...	3·3562	·038	...	43 48 55·7	...	19·550	·12	...	5	7·33	43.5952
4675	8·0	51 16·35	−0·02	3·3645	·039	−0·013	44 35 21·5	0·0	19·547	·12	−0·02	3	8·32	44.6146
4676	5·8*	12 51 18·74	0·00	+3·4343	+0·049	−0·005	−50 39 24·8	0·0	−19·546	+0·12	−0·03	3	9·30	50.5596
4677	8·7	51 20·16	0·00	3·4069	·045	−0·002	48 25 16·8	0·0	19·546	·12	−0·03	3	9·38	48.5165
4678	8·5	51 51·92	...	3·4202	·046	...	49 14 22·1	...	19·536	·12	...	3	9·35	49.5591
4679	9·0	52 17·04	−0·04	3·3415	·035	−0·016	41 41 38·6	−0·1	19·527	·12	−0·03	5	7·31	41.6153
4680	8·2	52 23·02	−0·01	3·3846	·041	−0·003	45 53 9·1	−0·1	19·525	·12	−0·03	3	8·31	45.6124

4673. 8m·2, 8m·6 0″·4 261° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4681	7·8	12 52 39·27	−0·01	+3·4477	+0·049	−0·010	−50 58 6·4	0·0	−19·520	+0·12	+0·02	5	9·36	50.5612
4682	9·4	53 1·50	...	3·4058	·043	...	47 24 47·5	...	19·513	·12	...	3	8·33	47.5756
4683	8·5	53 1·75	−0·02	3·3400	·034	−0·008	41 7 31·7	0·0	19·513	·12	0·00	4	7·06	40.5973
4684	9·2	53 19·99	...	3·3818	·040	...	45 7 11·3	...	19·506	·12	...	3	8·30	44.6162
4685	9·5	53 27·15	0·00	3·4252	·046	−0·003	48 48 31·9	−0·1	19·504	·12	−0·11	3	9·36	48.5192
4686	9·5	12 53 44·17	...	+3·4645	+0·051	...	−51 37 49·3	...	−19·498	+0·13	...	3	9·40	51.5673
4687	9·6	53 53·54	...	3·4417	·047	...	49 51 54·2	...	19·495	·13	...	3	9·34	49.5624
4688	9·0	53 56·45	...	3·3727	·038	...	43 56 56·7	...	19·494	·12	...	4	7·30	43.5967
4689	8·5	53 59·21	−0·05	3·3665	·037	−0·016	43 19 54·9	−0·3	19·493	·12	−0·10	4	7·06	43.5968
4690	9·2	54 15·62	...	3·3547	·036	...	42 1 8·2	...	19·488	·12	...	4	7·37	41.6161
4691	9·0	12 54 16·59	0·00	+3·3816	+0·039	0·000	−44 36 42·8	−0·1	−19·487	+0·12	−0·03	3	8·32	44.6171
4692	7·5*	54 23·45	−0·03	3·3439	·034	−0·010	40 51 3·4	−0·1	19·485	·12	−0·05	4	7·15	40.5984
4663	9·3	54 26·32	...	3·4050	·042	...	46 36 37·9	...	19·484	·13	...	3	8·33	46.6081
4694*	7·6	54 31·88	...	3·4230	·044	...	48 3 50·2	...	19·482	·13	...	8	9·00	47.5774
4695	7·3†	54 40·76	...	3·3563	·036	...	41 57 41·0	...	19·479	·12	...	4	7·07	41.6166
4696	8·0*	12 54 47·50	−0·02	+3·3485	+0·035	−0·007	−41 6 57·8	−0·1	−19·477	+0·12	−0·02	4	7·35	40.5989
4697	7·5*	54 50·81	−0·02	3·3631	·036	−0·006	42 32 55·3	−0·2	19·475	·12	−0·06	4	7·33	42.6070
4698	9·0	54 58·02	...	3·3390	·033	...	40 1 53·5	...	19·473	·12	...	4	7·11	39.5814
4699	9·2	55 18·25	−0·01	3·4638	·049	−0·016	50 47 47·3	0·0	19·466	·13	+0·07	3	9·32	50.5651
4700	8·7	55 27·68	−0·02	3·4033	·041	−0·010	45 56 7·9	0·0	19·463	·13	0·00	5	8·32	45.6159
4701	7·8	12 55 34·74	−0·01	+3·3845	+0·039	−0·004	−44 12 45·7	−0·1	−19·460	+0·13	−0·09	3	8·36	44.6180
4702	8·0*	55 38·15	−0·03	3·3733	·037	−0·010	43 8 43·6	+0·3	19·459	·13	+0·10	4	7·29	43.5976
4703	8·9	55 49·28	0·00	3·3906	.039	+0·003	44 39 3·4	0·0	19·455	·13	+0·02	3	8·38	44.6183
4704	9·1	55 55·62	...	3·4370	·045	...	48 28 31·7	...	19·453	·13	...	3	9·36	48.5218
4705	9·8	56 12·81	...	3·4231	·043	...	47 13 19·6	...	19·447	·13	...	3	8·42	47.5796
4706	8·8	12 56 12·85	...	+3·3819	+0·038	...	−43 39 27·4	...	−19·447	+0·13	...	4	7·33	43.5980
4707	9·0	56 40·60	−0·01	3·4114	·041	−0·005	46 1 41·7	0·0	19·437	·13	+0·01	3	8·34	45.6172
4708	8·8	56 41·93	0·00	3·4555	·047	−0·007	49 30 2·8	0·0	19·436	·13	−0·03	3	9·29	49.5654
4709	8·5*	56 58·76	−0·03	3·3770	·037	−0·008	42 48 59·4	−0·3	19·430	·13	−0·08	5	6·41	42.6099
4710	9·2	57 4·45	0·00	3·4918	·052	−0·004	51 51 9·6	0·0	19·428	·13	+0·01	3	9·35	51.5717
4711	8·3	12 57 16·19	0·00	+3·4525	+0·046	0·000	−49 0 14·6	0·0	−19·424	+0·13	0·00	3	9·38	48.5235
4712	9·3	57 25·19	−0·02	3·3628	·035	−0·007	41 15 3·3	−0·1	19·421	·13	−0·04	4	7·28	41.6189
4713	8·3	57 38·20	0·00	3·4708	·048	−0·007	50 9 7·2	0·0	19·416	·13	−0·01	3	9·29	50.5679
4714	8·6	57 40·28	−0·01	3·4108	·041	−0·007	45 29 31·8	0·0	19·415	·13	−0·03	3	8·35	45.6180
4715	8·8	57 49·33	...	3·4408	·045	...	47 51 0·4	...	19·412	·13	...	3	8·35	47.5814
4716	7·1†	12 58 9·94	−0·02	+3·3571	+0·034	−0·006	−40 18 48·4	−0·1	−19·404	+0·13	−0·05	4	7·35	40.6007
4717	9·0*	58 36·37	−0·06	3·3771	·036	−0·020	42 2 25·9	−0·3	19·395	·13	−0·10	4	6·84	41.6194
4718	7·7	58 43·66	−0·01	3·4432	·044	−0·008	47 35 44·7	−0·1	19·392	·14	−0·04	3	8·34	47.5824
4719	9·4	58 45·71	−0·01	3·4904	·050	−0·012	50 58 14·3	0·0	19·391	·14	+0·06	3	9·29	50.5705
4720	9·3†	58 48·22	...	3·3870	·037	...	42 51 43·7	...	19·391	·13	...	4	6·87	42.6111

4694. 10m at 5″ 67°

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4721	7·0*	12 59 10·06	−0·02	+3·3653	+0·035	−0·005	−40 39 33·5	−0·1	−19·382	+0·13	−0·04	4	6·59	40.6020
4722	8·8	59 13·85	−0·01	3·4368	·043	−0·009	46 51 35·2	−0·1	19·381	·14	−0·08	3	8·34	46.6141
4723	8·5	59 19·16	...	3·4157	·040	...	45 6 48·8	...	19·379	·14	...	3	8·39	44.6201
4724	9·2	59 34·60	−0·01	3·4059	·039	−0·007	44 9 34·4	−0·2	19·373	·14	−0·12	3	8·36	44.6203
4725	7·1	59 38·09	−0·01	3·5058	·052	−0·009	51 34 46·2	0·0	19·372	·14	+0·03	3	9·29	51.5754
4726	9·0*	12 59 50·37	−0·02	+3·3975	+0·038	−0·007	−43 19 12·3	−0·3	−19·367	+0·14	−0·11	4	6·84	43.6005
4727	9·0*	59 59·02	−0·01	3·3763	·035	−0·003	41 19 22·1	−0·1	19·364	·14	−0·03	4	6·87	41.6207
4728	9·6†	13 0 16·03	...	3·4027	·038	...	43 33 34·4	...	19·358	·14	...	4	7·13	43.6013
4729	9·2	0 18·20	...	3·3692	·034	...	40 30 16·3	...	19·357	·14	...	4	7·38	40.6031
4730	9·6†	0 20·82	...	3·3915	·037	...	42 32 49·3	...	19·356	·14	...	4	7·39	42.6119
4731	8·6	13 0 38·64	−0·01	+3·4705	+0·046	−0·010	−48 43 7·1	0·0	−19·349	+0·14	−0·06	3	9·32	48.5273
4732	7·4	0 40·45	0·00	3·4967	·049	−0·002	50 30 49·8	0·0	19·348	·14	+0·07	3	9·33	50.5732
4733	7·9	0 51·11	−0·01	3·4292	·041	−0·007	45 29 52·5	−0·1	19·344	·14	−0·06	3	8·31	45.6218
4734	6·3*	0 55·05	−0·01	3·3780	·035	−0·002	41 3 9·1	−0·1	19·343	·14	−0·04	5	6·41	40.6033
4735	9·8†	1 1·86	...	3·3977	·037	...	42 46 39·4	...	19·340	·14	...	4	7·35	42.6126
4736	9·5	13 1 4.38	...	+3·3878	+0·036	...	−41 52 31·7	...	−19·339	+0·14	...	4	7·14	41.6215
4737	8·7	1 37·25	−0·01	3·4599	·044	−0·007	47 30 55·7	−0·1	19·326	·14	−0·08	3	8·34	47.5857
4738	9·1	1 51·02	−0·02	3·4942	·049	−0·023	49 48 52·2	0·0	19·321	·14	−0·07	3	9·33	49.5740
4739	8·0	1 51·76	0·00	3·4851	·047	−0·002	49 11 28·8	0·0	19·321	·14	+0·02	3	9·34	49.5742
4740	9·3	1 53·88	...	3·4514	·043	...	46 45 19·3	...	19·320	·14	...	3	8·31	46.6174
4741	9·5†	13 1 59·07	...	+3·3744	+0·034	...	−40 14 24·1	...	−19·318	+0·14	...	4	6·63	40.6044
4742	8·5	2 7·10	−0·01	3·4291	·040	−0·009	44 54 59·4	−0·1	19·315	·14	−0·06	3	8·36	44.6224
4743	9·5*	2 10·87	−0·02	3·3976	·037	−0·006	42 14 50·9	−0·4	19·313	·14	−0·15	4	7·12	42.6132
4744	8·6	2 23·59	−0·01	3·4599	·044	−0·006	47 9 17·7	0·0	19·308	·14	−0·03	3	8·34	47.5866
4745	8·9	2 54·56	0·00	3·5162	·050	−0·007	50 46 34·9	0·0	19·296	·15	−0·04	3	9·29	50.5762
4746	9·0*	13 2 58·41	−0·17	+3·3888	+0·035	−0·061	−41 6 28·7	−0·1	−19·294	+0·14	−0·02	5	7·15	40.6050
4747	9·3	3 7·73	...	3·4096	·038	...	42 51 17·5	...	19·291	·14	...	4	6·66	42.6139
4748	8·0	3 14·87	...	3·4907	·047	...	48 57 39·1	...	19·288	·15	...	5	9·40	48.5311
4749	8·3	3 25·41	−0·01	2·5256	·051	−0·011	51 8 55·0	0·0	19·284	·15	−0·04	3	9·37	51.5816
4750	8·5	3 28·33	...	3·4183	·038	...	43 26 39·2	...	19·283	·14	...	4	7·12	43.6037
4751	7·3	13 3 37·52	−0·01	+3·4789	+0·045	−0·005	−47 59 27·6	0·0	−19·279	+0·15	0·00	3	8·30	47.5875
4752	8·8	3 44·45	−0·01	3·4425	·041	−0·004	45 15 29·2	−0·1	19·276	·15	−0·08	3	8·34	45.6253
4753	9·0	3 47·22	−0·01	3·4544	·042	−0·004	46 8 28·1	−0·1	19·275	·15	−0·05	3	8·34	46.6193
4754	8·0	4 1·06	−0·01	3·4747	·045	−0·007	47 31 6·6	0·0	19·270	·15	−0·01	3	8·40	47.5877
4755	9·4	4 6·38	...	3·5378	·052	...	51 35 52·2	...	19·268	·15	...	3	9·33	51.5829
4756	9·6	13 4 19·93	−0·01	+3·5152	+0·049	−0·008	−50 6 6·9	0·0	−19·262	+0·15	+0·05	3	9·37	49.5782
4757	8·5†	4 21·71	...	3·4022	·036	...	41 41 15·8	...	19·261	·15	...	5	6·61	41.6244
4758	9·0*	4 29·82	−0·02	3·4101	·037	−0·006	42 18 4·0	−0·3	19·258	·15	−0·10	5	7·34	42.6153
4759	9·1	4 30·23	−0·04	3·4314	·039	−0·022	44 3 26·3	0·0	19·258	·15	0·00	3	8·33	43.6042
4760	9·5	4 37·29	...	3·4568	·042	...	45 57 39·3	...	19·255	·15	...	3	8·31	45.6265

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4761	8·5	13 5 21·35	...	+3·4969	+0·046	...	−48 28 43·8	...	−19·237	+0·15	...	3	9·31	48.5349
4762	9·1	5 23·52	0·00	3·5158	·049	−0·003	49 41 23·1	0·0	19·236	·15	−0·02	3	9·35	49.5800
4763	6·0*	5 26·97	−0·03	3·4077	·036	−0·010	41 41 59·9	−0·1	19·235	·15	−0·04	4	6·65	41.6252
4764	8·5*	5 34·33	−0·01	3·3988	·035	−0·002	40 53 14·7	−0·1	19·232	·15	−0·02	4	7·09	40.6074
4765	5·5*	5 40·12	−0·04	3·4225	·038	−0·013	42 50 9·1	−0·2	19·229	·15	−0·06	4	6·88	42.6160
4766	9·1	13 5 42·18	...	+3·4696	+0·043	...	−46 26 10·9	...	−19·229	+0·15	...	3	8·31	46.6210
4767	9·3	5 46·37	...	3·4295	·038	...	43 21 25·7	...	19·227	·15	...	4	7·38	43.6053
4768	8·1	6 9·96	−0·01	3·4494	·041	−0·004	44 44 49·7	−0·1	19·217	·15	−0·03	3	8·31	44.6256
4769	8·6	6 11·08	...	3·5168	·048	...	49 25 39·7	...	19·217	·15	...	3	9·36	49.5813
4770	8·9	6 27·71	−0·01	3·4659	·042	−0·004	45 50 10·0	+0·1	19·210	·15	+0·04	3	8·37	45.6286
4771	9·4	13 6 46·88	...	+3·4447	+0·040	...	−44 7 17·4	...	−19·202	+0·15	...	3	8·31	43.6064
4772	9·4	6 47·94	...	3·4868	·045	...	47 11 2·7	...	19·201	·15	...	3	8·42	47.5901
4773	9·0*	7 3·29	0·00	3·4089	·036	0·000	41 8 2·7	−0·2	19·195	·15	−0·06	4	6·87	41.6262
4774	6·5*	7 7·00	−0·02	3·4218	·037	−0·006	42 10 7·0	0·0	19·193	·15	0·00	6	7·03	42.6169
4775*	8·3†	7 10·73	...	3·3988	·035	...	40 12 51·3	...	19·192	·15	....	5	7·36	40.6088
4776	9·3	13 7 15·84	...	+3·5003	+0·046	...	−47 54 14·7	...	−19·190	+0·16	...	3	8·31	47.5907
4777	8·5	7 26·65	−0·01	3·5664	·053	−0·008	51 52 34·2	0·0	19·185	·16	−0·07	3	9·32	51.5880
4778	6·8*	7 27·39	0·00	3·5371	·050	−0·007	50 10 6·4	0·0	19·185	·16	−0·03	3	9·34	50.5814
4779	9·4	7 38·65	...	3·5487	·051	...	50 46 48·0	...	19·180	·16	...	3	9·39	50.5817
4780	8·3	7 39·29	−0·02	3·4639	·042	−0·012	45 12 18·6	−0·1	19·180	·16	−0·08	3	8·34	45.6292
4781	8·4	13 8 5·48	0·00	+3·5112	+0·047	−0·003	−48 17 13·1	0·0	−19·168	+0·16	−0·05	3	9·41	48.5397
4782	9·0	8 23·02	−0·02	3·4640	·041	−0·012	44 54 53·5	0·0	19·161	·16	0·00	3	8·30	44.6269
4783	9·5	8 43·16	...	3·5228	·047	...	48 46 26·1	...	19·152	·16	...	3	9·36	48.5408
4784	8·3	8 49·30	−0·01	3·4864	·043	−0·006	46 19 37·5	0·0	19·150	·16	0·00	3	8·33	46.6252
4785	8·5*	8 51·89	−0·03	3·4244	·037	−0·008	41 40 22·2	−0·2	19·149	·16	−0·05	5	6·43	41.6271
4786	8·0	13 8 57·09	−0·01	+3·5662	+0·052	−0·012	−51 16 25·7	0·0	−19·146	+0·16	−0·03	3	9·31	51.5901
4787	9·4	9 12·87	...	3·4769	·042	...	45 30 16·2	...	19·139	·16	...	3	8·31	45.6308
4788	8·0*	9 36·86	−0·02	3·4390	·038	−0·006	42 32 0·5	−0·1	19·129	·16	−0·02	5	7·32	42.6188
4789	9·6†	9 45·17	...	3·4527	·039	...	43 31 27·3	...	19·125	·16	...	4	7·38	43.6080
4790	8·2	9 46·68	0·00	3·5492	·050	−0·007	49 57 41·4	0·0	19·125	·16	−0·02	5	9·39	49.5866
4791	9·5	13 9 49·17	...	+3·4487	+0·039	...	−43 11 58·5	...	−19·124	+0·16	...	4	7·39	43.6081
4792	8·0	9 54·07	−0·04	3·4164	·035	−0·012	40 36 44·2	−0·1	19·121	·16	−0·02	5	6·82	40.6110
4793	8·0*	10 2·22	−0·01	3·4283	·037	−0·002	41 31 32·4	−0·2	19·118	·16	−0·06	4	6·85	41.6278
4794	8·9	10 6·84	−0·01	3·5105	·045	−0·006	47 25 44·4	+0·1	19·116	·16	+0·04	3	8·31	47.5935
4795	8·2	10 13·17	−0·01	3·4921	·043	−0·003	46 9 43·0	+0·1	19·113	·16	+0·08	3	8·33	46.6266
4796	8·7	13 10 16·25	0·00	+3·5604	+0·051	−0·005	−50 25 32·5	0·0	−19·112	+0·17	−0·04	3	9·29	50.5859
4797	7·3	10 43·25	−0·01	3·4667	·040	−0·005	44 10 33·7	0·0	19·100	·16	0·00	3	8·34	44 6291
4798*	7·3*	11 2·21	−0·03	3·4236	·036	−0·007	40 45 17·4	−0·1	19·091	·16	−0·02	5	6·40	40.6114
4799	9·5	11 20·34	−0·01	3·5911	·054	−0·008	51 43 36·3	−0·1	19·083	·17	−0·10	3	9·35	51.5940
4800	9·0	11 26·75	...	3·5497	·049	...	49 20 46·8	...	19·081	·17	...	3	9·40	49.5900

4775. $8^m·8, 9^m·3$ 2″·3 236° Mass observed.

4798. $7^m·4, 9^m·6$ 3″·1 113° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4801	8·3	13 11 42·60	−0·03	+3·4480	+0·038	−0·009	−42 24 17·0	−0·4	−19·073	+0·16	−0·13	5	6·78	42.6203
4802	8·8	11 46·36	...	3·4670	·040	...	43 47 21·5	...	19·072	·16	...	5	7·36	43.6096
4803	9·0	11 47·87	−0·01	3·4816	·041	−0·006	44 49 5·3	0·0	19·071	·16	0·00	3	8·30	44.6305
4804	8·0*	11 48·09	0·00	3·4533	·038	−0·001	42 46 17·1	−0·1	19·071	·16	−0·03	5	7·33	42.6204
4805	7·0	11 51·09	−0·01	3·5152	·045	−0·009	47 3 44·5	0·0	19·069	·17	−0·01	5	8·36	46.6280
4806	9·7	13 11 51·95	...	+3·4937	+0·042	...	−45 37 34·9	...	−19·069	+0·17	...	3	8·37	45.6332
4807	8·5	11 52·55	0·00	3·5580	·050	−0·004	49 40 9·4	−0·1	19·069	·17	−0·10	3	9·31	49.5910
4808	7·5*	12 16·72	−0·03	3·4661	·039	−0·009	43 31 39·9	−0·2	19·058	·16	−0·07	5	6·59	43.6098
4809	8·6	12 30·20	−0·01	3·5116	·044	−0·007	46 34 30·7	0·0	19·052	·17	+0·01	3	8·41	46.6283
4810	9·6	12 33·34	...	3·5332	·046	...	47 55 34·3	...	19·050	·17	...	3	8·37	47.5959
4811	7·0	13 12 33·86	−0·01	+3·4919	+0·042	−0·005	−45 14 13·8	0·0	−19·050	+0·17	−0·02	3	8·33	45.6339
4812	6·5*	12 34·28	0·00	3·5818	·052	−0·005	50 45 30·4	0·0	19·050	·17	−0·03	3	9·34	50.5898
4813	9·0*	12 43·37	−0·04	3·4415	·037	−0·011	41 31 11·0	−0·2	19·046	·16	−0·06	5	6·76	41.6287
4814	9·2	12 53·00	...	3·5036	·043	...	45 54 24·0	...	19·042	·17	...	3	8·32	45.6342
4815	9·1	14 0·15	...	3·5819	·051	...	50 13 50·1	...	19·011	·17	...	3	9·29	50.5917
4816	8·4	13 14 28·90	−0·01	+3·5580	+0·048	−0·013	−48 41 51·5	−0·1	−18·997	+0·17	−0·08	3	9·36	48.5479
4817	7·8*	14 40·23	−0·02	3·4448	·036	−0·005	41 3 2·6	−0·2	18·992	·17	−0·05	13	6·94	40.6136
4818	8·0	14 41·24	+0·02	3·4700	·039	+0·006	42 54 35·7	0·0	18·992	·17	−0·01	5	6·78	42.6222
4819	9·0	14 54·30	...	3·5521	·047	...	48 11 47·6	...	18·986	·18	...	3	9·36	48.5484
4820	9·0	15 0·84	−0·02	3·4362	·035	−0·007	40 15 27·9	−0·1	18·982	·17	−0·05	5	7·35	40.6137
4821	7·0	13 15 3·80	−0·03	+3·5231	+0·044	−0·016	−46 21 20·4	0·0	−18·981	+0·17	−0·03	3	8·34	46.6304
4822	9·0	15 4·43	−0·01	3·4939	·041	−0·003	44 25 58·3	0·0	18·981	·17	+0·01	3	8·31	44.6311
4823	7·8	15 7·22	0·00	3·6064	·053	−0·005	51 8 45·7	0·0	18·979	·18	+0·01	3	9·32	51.5997
4824	8·8	15 35·27	0·00	3·5384	·045	0·000	47 7 12·3	−0·1	18·966	·18	−0·05	3	8·34	46.6308
4825	7·0	15 54·38	0·00	3·6044	·052	−0·006	50 45 26·8	0·0	18·957	·18	−0·03	3	9·36	50.5947
4826	8·5*	13 15 56·51	0·00	+3·4584	+0·037	0·000	−41 36 25·6	+0·1	−18·956	+0·17	+0·04	5	6·78	41.6306
4827	7·9	15 58·93	0·00	3·5797	·050	−0·002	49 23 18·0	0·0	18·955	·18	−0·01	3	9·36	49.5992
4828	6·5*	16 11·12	0·00	3·6237	·054	−0·006	51 39 31·8	0·0	18·949	·18	0·00	3	9·32	51.6012
4829	7·5*	16 13·52	0·00	3·4725	·038	−0·001	42 31 34·1	−0·1	18·948	·17	−0·04	5	6·79	42.6233
4830	9·4	16 37·74	...	3·5251	·043	...	45 54 37·6	...	18·937	·18	...	3	8·30	45.6363
4831	9·6	13 16 45·73	...	+3·4927	+0·040	...	−43 44 10·0	...	−18·933	+0·17	...	4	7·35	43.6121
4832	9·5	17 0·52	...	3·5947	·050	...	49 50 42·7	...	18·926	·18	...	3	9·34	49.6009
4833*	7·3	17 4·00	0·00	3·5628	·047	−0·003	48 2 21·5	0·0	18·924	·18	+0·01	5	8·34	47.5983
4834	9·0*	17 11·83	−0·03	3·4886	·039	−0·011	43 17 52·7	0·0	18·920	·18	0·00	5	7·32	43.6125
4835	9·0*	17 47·19	−0·03	3·4730	·038	−0·009	42 0 30·1	−0·2	18·903	·18	−0·05	5	6·44	41.6318
4836	8·1	13 17 48·73	−0·01	+3·5167	+0·042	−0·008	−44 57 8·9	−0·1	−18·903	+0·18	−0·04	5	8·37	44.6328
4837	9·2	17 55·48	−0·01	3·5214	·042	−0·004	45 13 15·8	+0·1	18·899	·18	+0·04	3	8·30	45.6369
4838	9·1	17 59·38	−0·01	3·5412	·044	−0·004	46 25 45·7	0·0	18 897	·18	+0·03	3	8·36	46.6324
4839	9·5	18 6·61	...	3·5821	·049	...	48 46 1·7	...	18·894	·18	...	3	9·32	48.5517
4840	7·5	18 31·14	0·00	3·6264	·053	−0·007	50 58 54·8	0·0	18·882	·19	−0·03	3	9·38	50.5997

4833. $8^m·1$, $8^m·1$. Not separated with equatorial 1896–1900.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4841	9·1	13 18 32·86	...	+3·5967	+0·050	...	−49 25 15·0	...	−18·881	+0·18	...	3	9·40	49.6042
4842	8·3	18 36·74	0·00	3·6091	·051	−0·007	50 3 10·4	0·0	18·879	·19	−0·03	3	9·41	49.6045
4843	8·5	18 43·05	−0·02	3·4856	·038	−0·007	42 33 39·7	−0·2	18·876	·18	−0·08	5	6·97	42.6246
4844	9·5*	18 51·60	−0·01	3·4591	·036	−0·004	40 37 42·2	+0·1	18·872	·18	+0·04	5	7·37	40.6155
4845	7·6	19 14·43	0·00	3·6390	·054	−0·007	51 22 4·6	0·0	18·860	·19	−0·01	3	9·33	51.6053
4846	9·0	13 19 17·96	...	+3·5698	+0·047	...	−47 39 50·2	...	−18·859	+0·19		3	8·30	47.6001
4847	7·8	19 22·70	0·00	3·6498	·055	−0·001	51 50 24·5	0·0	18·856	·19	−0·08	5	9·40	51.6057
4848	8·5*	19 41·68	−0·02	3·4733	·037	−0·008	41 21 33·9	+0·3	18·847	·18	+0·09	5	7·17	41.6331
4849	9·0*	19 42·75	−0·04	3·4908	·039	−0·014	42 34 10·0	−0·3	18·846	·18	−0·11	4	6·90	42.6252
4850	9·4	19 43·63	...	3·5171	·041	...	44 18 35·4	...	18·846	·18	...	3	8·33	44.6342
4851	7·8	13 19 46·01	−0·01	+3·5663	+0·046	−0·005	−47 17 51·5	0·0	−18·845	+0·19	−0·03	3	8·37	47.6005
4852	8·0	19 50·80	−0·01	3·6289	·053	−0·011	50 39 20·1	0·0	18·842	·19	−0·03	3	9·38	50.6015
4853	8·8	20 9·91	−0·02	3·5048	·040	−0·006	43 21 23·8	0·0	18·833	·18	−0·01	5	7·39	43.6137
4854	7·4	20 16·14	0·00	3·5864	·048	−0·005	48 15 55·9	0·0	18·830	·19	−0·04	3	9·33	48.5542
4855	8·6	20 18·39	−0·01	3·5396	·043	−0·008	45 31 39·0	−0·1	18·829	·19	−0·05	3	8·31	45.6395
4856	8·1	13 20 40·13	...	+3·6041	+0·049	...	−49 5 31·6	...	−18·818	+0·19	...	3	9·36	48.5550
4857	8·4	20 47·74	−0·02	3·5639	·045	−0·009	46 48 33·3	−0·1	18·814	·19	−0·03	3	8·32	46.6349
4858	6·0*	21 6·84	−0·01	3·4747	·037	−0·003	40 58 39·9	−0·1	18·804	·18	−0·04	5	6·79	40.6171
4859	6·7*	21 17·78	0·00	3·6038	·049	−0·002	48 51 41·5	0·0	18·799	·19	−0·01	3	9·33	48.5564
4860	8·8	21 38·44	−0·03	3·4717	·036	−0·010	40 35 19·5	−0·1	18·788	·18	−0·04	5	7·34	40.6176
4861*	9·0	13 21 52·54	−0·01	+3·5033	+0·039	−0·005	−42 40 52·0	−0·2	−18·781	+0·19	−0·06	5	7·36	42.6269
4862	8·6	22 5·18	−0·02	3·5780	·046	−0·013	47 11 4·9	−0·2	18·775	·19	−0·12	3	8·30	47.6039
4863	8·6	22 21·82	−0·01	3·5421	·042	−0·007	44 59 8·5	0·0	18·766	·19	+0·01	3	8·33	44.6359
4864	9·0*	22 26·61	+0·03	3·5211	·040	+0·010	43 38 49·5	−0·4	18·764	·19	−0·13	5	6·97	43.6150
4865	8·8	22 31·97	...	3·5572	·044	...	45 49 50·8	...	18·761	·19	...	3	8·38	45.6414
4866	8·0*	13 22 35·35	−0·01	+3·4886	+0·037	−0·003	−41 27 18·3	−0·2	−18·759	+0·19	−0·07	5	6·80	41.6354
4867	9·5*	23 16·43	−0·04	3·4738	·036	−0·016	40 12 28·5	+0·1	18·738	·19	+0·05	4	7·35	40.6184
4868	5·8*	23 17·31	0·00	3·6516	·053	−0·003	50 38 48·9	0·0	18·737	·20	−0·02	3	9·31	50.6066
4869	9·4	23 22·61	...	3·5970	·047	...	47 48 27·6	...	18·735	·19	...	3	8·31	47.6050
4870	9·0	23 43·61	...	3·6363	·051	...	49 44 39·4	...	18·724	·20	...	3	9·37	49.6126
4871	9·0*	13 23 44·19	−0·08	+3·4897	+0·037	−0·024	−41 9 19·7	0·0	−18·724	+0·19	+0·01	5	6·79	41.6361
4872	9·8	23 44·48	...	3·6746	·055	...	51 35 8·4	...	18·723	·20	...	3	9·40	51.6107
4873	9·0	23 57·48	−0·02	3·5106	·039	−0·007	42 28 5·9	0·0	18·717	·19	0·00	4	7·32	42.6282
4874	8·6	24 20·81	−0·01	3·5963	·047	−0·008	47 27 21·6	−0·1	18·704	·20	−0·04	3	8·31	47.6057
4875	9·5	24 23·97	−0·01	3·6209	·049	−0·010	48 44 50·2	0·0	18·703	·20	+0·04	3	9·31	48.5606
4876	9·1	13 24 29·08	0·00	+3·5389	+0·041	+0·001	−44 5 35·5	+0·2	−18·700	+0·19	+0·13	3	8·37	43.6169
4877	8·8	24 50·14	...	3·5486	·042	...	44 34 13·1	...	18·689	·20	...	3	8·36	44.6379
4878	8·3	24 58·21	0·00	3·6599	·053	−0·001	50 30 30·0	0·0	18·685	·20	−0·06	3	9·35	50.6100
4879	8·0*	24 58·84	−0·04	3·5270	·040	−0·012	43 11 43·5	+0·2	18·684	·19	+0·05	5	6·64	43.6175
4880	9·6	25 22·83	...	3·6403	·051	...	49 25 10·0	...	18·672	·20	...	3	9·37	49.6148

4861. $9^m·2$, $11^m·2$ $3''·0\pm$ $150°\pm$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4881	8·8	13 25 27·06	0·00	+3·6791	+0·054	−0·007	−51 15 19·5	0·0	−18·669	+0·20	−0·03	3	9·35	51.6128
4882*	7·0*	25 29·35	0·00	3·5100	·038	0·000	41 56 54·4	−0·2	18·668	·19	−0·05	5	6·77	41.6372
4883	7·8	25 30·82	−0·02	3·5808	·045	−0·010	46 13 8·4	−0·1	18·667	·20	−0·03	3	8·32	46.6382
4884	9·0	25 35·33	−0·02	3·5237	·039	−0·006	42 47 38·4	−0·2	18·665	·20	−0·09	4	7·31	42.6289
4885	8·0	25 38·04	−0·01	3·4974	·037	−0·004	41 4 8·8	−0·1	18·664	·19	−0·04	4	7·36	40.6197
4886	8·0*	13 26 15·40	−0·02	+3·5175	+0·039	−0·007	−42 11 15·5	0·0	−18·644	+0·20	−0·01	4	6·92	42.6295
4887	9·1	26 17·42	...	3·6175	·048	...	47 58 20·3	...	18·643	·20	...	3	8·31	47.6071
4888	7·6	26 23·44	0·00	3·5953	·046	−0·003	46 45 9·9	−0·2	18·639	·20	−0·15	3	8·34	46.6391
4889	7·5*	26 42·61	−0·02	3·5479	·041	−0·006	43 56 5·8	−0·1	18·629	·20	−0·03	8	7·02	43.6192
4890	8·0	27 0·82	−0·01	3·5915	·045	−0·007	46 20 45·8	0·0	18·619	·20	+0·03	3	8·38	46.6395
4891	7·6	13 27 3·73	−0·01	+3·6086	+0·047	−0·007	−47 15 27·0	−0·1	−18·618	+0·20	−0·04	3	8·41	47.6075
4892	9·1	27 4·64	−0·01	3·5684	·043	−0·007	45 0 56·8	−0·1	18·617	·20	−0·06	3	8·34	44.6395
4893	9·1	27 15·18	...	3·5843	·044	...	45 52 20·0	...	18·611	·20	...	3	8·31	45.6443
4894	9·1	27 16·78	...	3·6324	·049	...	48 25 39·0	...	18·611	·21	...	3	9·31	48.5641
4895	9·0	27 33·49	−0·01	3·7071	·056	−0·013	51 52 25·6	+0·1	18·601	·21	+0·08	3	9·35	51.6150
4896	7·0*	13 27 34·84	−0·05	+3·5356	+0·040	−0·017	−42 54 30·9	−0·2	−18·601	+0·20	−0·07	4	6·86	42.6304
4897	9·3	28 13·05	...	3·5861	·044	...	45 40 12·9	...	18·580	·20	...	3	8·31	45.6451
4898	8·5	28 20·76	−0·03	3·5011	·036	−0·011	40 28 13·7	0·0	18·576	·20	−0·01	5	7·35	40.6214
4899	7·2	28 24·22	−0·01	3·6261	·048	−0·004	47 45 32·1	−0·1	18·574	·21	−0·04	3	8·33	47.6085
4900	8·9	28 26·91	...	3·6927	·054	...	50 57 22·5	...	18·572	·21	...	3	9·34	50.6153
4901	7·5	13 28 39·54	0·00	+3·6793	+0·053	−0·006	−50 16 44·0	0·0	−18·565	+0·21	−0·05	3	9·36	50.6156
4902	9·0*	28 39·90	−0·02	3·5315	·039	−0·006	42 19 17·0	−0·3	18·565	·20	−0·09	4	7·14	42.6317
4903	7·5*	28 44·40	−0·03	3·5231	·038	−0·010	41 46 20·3	0·0	18·563	·20	+0·01	4	6·87	41.6394
4904	8·0	28 58·53	−0·01	3·5524	·041	−0·005	43 29 56·8	−0·1	18·555	·20	−0·04	5	7·19	43.6203
4905	8·8	29 18·11	−0·02	3·5722	·042	−0·014	44 29 20·2	−0·1	18·544	·21	−0·03	3	8·33	44.6420
4906	8·5	13 29 21·60	−0·01	+3·5841	+0·043	−0·004	−45 12 39·4	−0·1	−18·542	+0·21	−0·04	3	8·35	45.6455
4907	10·3	29 22·07	...	3·7057	·055	...	51 16 5·9	...	18·542	·21	...	3	9·41	51.6174
4908	8·8	29 27·68	−0·02	3·5191	·038	−0·009	41 17 59·3	+0·1	18·539	·20	+0·03	4	7·33	41.6398
4909	9·7	29 37·37	...	3·6751	·052	...	49 48 1·8	...	18·533	·21	...	3	9·36	49.6206
4910	7·9	29 39·17	0·00	3·6520	·049	+0·002	48 40 55·0	0·0	18·532	·21	+0·02	3	9·38	48.5671
4911	7·0*	13 30 30·69	−0·02	+3·5338	+0·038	−0·005	−41 54 16·0	0·0	−18·504	+0·20	−0·01	5	6·64	41.6402
4912	8·2	30 32·47	−0·03	3 6198	·046	−0·020	46 47 11·9	0·0	18·503	·21	−0·02	3	8·31	46.6416
4913	6·5*	31 7·80	−0·02	3·5657	·041	−0·008	43 37 56·3	−0·1	18·483	·21	−0·04	4	7·10	43.6220
4914	7·5	31 12·49	−0·01	3·5431	·039	−0·002	42 16 13·8	−0·1	18·480	·21	−0·03	4	7·37	42.6328
4915	8·2	31 17·16	0·00	3·6287	·047	−0·002	47 1 38·4	−0·1	18·477	·21	−0·04	3	8·40	46.6424
4916	6·3*	13 31 20·69	0·00	+3·6079	+0·045	−0·002	−45 55 1·0	−0·1	−18·475	+0·21	−0·04	5	8·37	45.6467
4917	8·0	31 24·78	−0·01	3·5139	·036	−0·005	40 23 13·1	−0·2	18·473	·21	−0·07	4	7·41	40.6233
4918	9·7†	31 34·30	...	3·5605	·040	...	43 12 1·5	...	18·468	·21	...	4	6·91	43.6225
4919	8·6	31 41·37	...	3·6053	·044	...	45 40 36·2	...	18·464	·21	...	3	8·30	45.6469
4920	8·0*	31 56·18	−0·03	3·5423	·039	−0·009	42 0 16·8	−0·2	18·455	·21	−0·06	5	6·98	41.6405

4882. $7^m·1, 9^m·6$ 3″·9 230° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4921	7·0	13 31 57·93	0·00	+3·6909	+0·052	−0·005	−49 50 23·4	0·0	−18·454	+0·22	−0·03	3	9·34	49.6236
4922	9·8	32 2·99	−0·07	3·5276	·037	−0·024	41 4 4·3	0·0	18·451	·21	+0·01	4	7·13	40.6237
4923	8·4	32 3·68	−0·01	3·6418	·047	−0·008	47 27 16·0	−0·1	18·451	·22	−0·08	3	8·41	47.6111
4924	8·5	32 5·13	−0·02	3·5942	·043	−0·010	44 57 36·2	0·0	18·450	·21	0·00	3	8·37	44.6445
4925	8·0	32 12·63	...	3·7195	·055	...	51 2 32·7	...	18·446	·22	...	3	9·38	50.6210
4926	8·6	13 32 13·56	...	+3·6799	+0·051	...	−49 15 13·9	...	−18·445	+0·22	...	3	9·40	49.6241
4927*	9·0*	32 24·80	−0·01	3·5425	·039	−0·005	41 52 33·0	+0·1	18·439	·21	+0·03	5	7·40	41.6407
4928	9·0	32 27·10	0·00	3·7108	·054	+0·001	50 35 32·5	0·0	18·438	·22	−0·06	3	9·42	50.6215
4929	8·0	32 42·65	−0·01	3·7383	·056	−0·009	51 41 52·8	0·0	18·429	·22	0·00	3	9·43	51.6213
4930	7·7	32 42·93	−0·01	3·5805	·042	−0·008	44 0 23·9	−0·1	18·429	·21	−0·04	5	8·40	43.6232
4931	9·5	13 33 0·05	...	+3·6237	+0·045	...	−46 15 55·9	...	−18·419	+0·22	...	3	8·33	46.6438
4932	8·0	33 5·93	0·00	3·6690	·049	−0·003	48 29 19·7	0·0	18·415	·22	−0·05	3	9·34	48.5720
4933	8·1	33 41·60	...	3·6609	·048	...	47 55 30·9	...	18·395	·22	...	3	8·30	47.6128
4934	6·8*	33 48·87	−0·01	3·6939	·051	−0·014	49 26 33·5	0·0	18·391	·22	0·00	3	9·36	49.6265
4935	9·0	34 39·89	−0·08	3·5658	·040	−0·027	42 36 29·8	−0·2	18·361	·22	−0·06	4	7·14	42.6351
4936	8·0*	13 34 41·74	−0·03	+3·5861	+0·041	−0·011	−43 45 16·1	+0·1	−18·360	+0·22	+0·02	4	7·38	43.6242
4937	9·0*	34 46·37	−0·06	3·5693	·040	−0·018	42 46 53·2	−0·3	18·357	·22	−0·09	4	6·91	42.6352
4938	9·5	34 47·14	−0·02	3·5533	·039	−0·007	41 50 52·6	−0·1	18·357	·22	−0·03	4	7·41	41.6420
4939	9·0	34 58·39	−0·01	3·6056	·043	−0·007	44 44 42·5	−0·1	18·350	·22	−0·08	3	8·30	44.6467
4940	7·5	35 9·48	−0·01	3·6213	·044	−0·004	45 31 15·9	−0·1	18·344	·22	−0·05	3	8·35	45.6501
4941	9·0	13 35 11·20	...	+3·7209	+0·053	...	−50 15 37·4	...	−18·343	+0·23	...	3	9·34	50.6249
4942	9·2	35 13·10	+0·01	3·6542	·047	+0·004	47 9 59·1	−0·3	18·342	·22	−0·17	3	8·38	47.6145
4943	9·0	35 14·19	−0·05	3·5580	·039	−0·016	41 59 45·5	+0·2	18·341	·22	+0·08	13:14	7·00	41.6422
4944	8·3	35 44·56	0·00	3·6878	·050	0·000	48 36 52·4	0·0	18·323	·23	−0·02	3	9·38	48.5757
4945	9·0*	35 48·18	−0·06	3·5292	·036	−0·021	40 6 11·2	−0·2	18·321	·22	−0·06	4	7·34	39.6048
4946	9·2	13 35 55·35	−0·02	+3·6747	+0·049	−0·014	−47 57 21·3	−0·3	−18·316	+0·23	−0·17	3	8·34	47.6154
4947	8·3	36 6·40	0·00	3·7478	·055	−0·002	51 8 51·8	0·0	18·311	·23	−0·02	3	9·40	51.6250
4948	8·3	36 13·45	0·00	3·6513	·046	+0·002	46 44 38·7	−0·1	18·306	·23	−0·06	3	8·31	46.6462
4949	9·0	36 14·44	...	3·7394	·054	...	50 45 49·8	...	18·305	·23	...	3	9·36	50.6267
4950	8·0	36 44·21	−0·02	3·5772	·040	−0·005	42 40 48·1	−0·2	18·287	·22	−0·05	5	6·80	42.6364
4951	7·5*	13 36 48·38	−0·01	+3·5956	+0·041	−0·005	−43 41 8·5	−0·1	−18·285	+0·22	−0·03	5	7·01	43.6253
4952	6·5*	36 58·83	−0·03	3·5477	·037	−0·010	40 53 42·1	−0·2	18·279	·22	−0·07	4:5	6·89:7·00	40.6264
4953	9·0	37 7·62	...	3·6056	·042	...	44 8 8·0	...	18·273	·22	...	3	8·34	44.6483
4954	10·0	37 10·65	...	3·7228	·052	...	49 47 36·6	...	18·272	·23	...	3	9·41	49.6311
4955	8·4	37 13·92	...	3·6330	·044	...	45 32 31·1	...	18·270	·23	...	3	8·31	45.6510
4956	8·5	13 37 15·46	...	+3·6449	+0·045	...	−46 7 50·9	...	−18·269	+0·23	...	3	8·38	46.6466
4957	8·0	37 28·48	−0·02	3·5719	·039	−0·008	42 10 40·5	0·0	18·261	·22	−0·01	5	7·18	42.6368
4958	8·0	37 33·55	0·00	3·7685	·056	−0·007	51 35 42·2	0·0	18·258	·23	0·00	3	9·39	51.6266
4959	6·5*	37 42·01	−0·02	3·5624	·038	−0·005	41 33 48·2	0·0	18·253	·22	−0·01	5	6·83	41.6439
4960	7·0*	37 59·05	−0·01	3·7447	·054	−0·008	50 30 30·2	0·0	18·242	·23	−0·04	3	9·38	50.6287

4927. $9^m·4$, $10^m·4$ 3″·4 285° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	See. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
4961	9·3	13 38 6·14	...	+3·7165	+0·051	...	−49 16 11·3	...	−18·238	+0·23	...	3	9·40	49.6321
4962	8·8	38 14·47	−0·05	3·6004	·041	−0·017	43 32 51·0	−0·1	18·233	·23	−0·03	5	6·81	43.6262
4963	8·5	38 30·89	0·00	3·7084	·050	−0·003	48 47 44·8	0·0	18·223	·23	−0·07	3	9·41	48.5793
4964	8·1	39 17·46	0·00	3·6304	·043	−0·001	44 50 47·1	−0·1	18·195	·23	−0·05	3	8·30	44.6501
4965	9·0	39 20·08	−0·01	3·5761	·039	−0·002	41 54 16·6	+0·2	18·193	·23	+0·08	5	6·97	41.6455
4966	8·0	13 39 23·11	0·00	+3·5881	+0·040	0·000	−42 33 53·5	−0·2	−18·191	+0·23	−0·06	5	7·18	42.6376
4967	8·0*	39 25·52	−0·03	3·5572	·037	−0·012	40 48 1·9	−0·2	18·190	·23	−0·07	5	7·21	40.6279
4968	8·9	39 35·02	...	3·7443	·053	...	50 3 52·0	...	18·184	·24	...	3	9·38	49.6343
4969	8·5	39 57·01	−0·02	3·5995	·040	−0·007	43 2 15·0	+0·1	18·170	·23	+0·04	8	6·81	42.6379
4970	8·1	40 8·15	−0·01	3·6715	·046	−0·004	46 39 16·5	−0·1	18·164	·23	−0·04	3	8·35	46.6488
4971	7·8	13 40 8·27	+0·01	+3·6552	+0·045	+0·004	−45 51 52·6	−0·1	−18·164	+0·23	−0·06	3	8·34	45.6532
4972	5·2*	40 19·43	0·00	3·7701	·055	−0·002	50 55 50·9	0·0	18·157	·24	−0·04	5	9·41	50.6306
4973	9·5	40 22·44	...	3·7049	·049	...	48 8 33·8	...	18·155	·24	...	3	9·35	48.5821
4974	9·0	40 29·42	−0·01	3·6446	·044	−0·004	45 14 39·1	−0·1	18·150	·23	−0·05	3	8·33	45.6535
4975	8·0*	40 39·61	−0·02	3·5798	·039	−0·007	41 45 38·4	−0·1	18·144	·23	−0·04	5	6·82	41.6465
4976	7·4	13 40 48·53	0·00	+3·7947	+0·057	−0·006	−51 46 5·0	0·0	−18·139	+0·24	+0·01	3	9·38	51.6308
4977	8·4	40 56·00	−0·02	3·6947	·048	−0·011	47 31 38·9	−0·2	18·134	·24	−0·09	3	8·33	47.6199
4978	6·5*	41 9·64	0·00	3·7467	·053	+0·003	49 44 57·7	0·0	18·126	·24	−0·01	3	9·34	49.6363
4979	9·3	41 17·48	...	3·6294	·043	...	44 15 21·6	...	18·120	·23	...	3	8·36	44.6520
4980	9·3	41 20·66	−0·05	3·5710	·038	−0·017	41 5 2·0	+0·1	18·119	·23	+0·03	5	7·17	40.6293
4981	8·5	13 41 33·00	−0·03	+3·6567	+0·045	−0·019	−45 33 52·2	+0·1	−18·111	+0·24	+0·08	3	8·33	45.6545
4982	9·0*	42 2·70	−0·02	3·5815	·039	−0·007	41 29 38·3	−0·3	18·092	·23	−0·09	5	7·01	41.6472
4983	8·5	42 6·10	−0·02	3·5950	·039	−0·008	42 13 19·4	+0·2	18·090	·23	+0·07	4	7·37	42.6398
4984	8·7	42 6·84	−0·01	3·6897	·047	−0·003	46 58 58·8	+0·1	18·090	·24	+0·03	3	8·33	46.6496
4985	9·0	42 13·85	...	3·5648	·037	...	40 29 56·9	...	18·085	·23	...	4	6·93	40.6299
4986	9·2	13 42 20·07	−0·01	+3·7657	+0·054	−0·011	−50 13 48·9	+0·1	−18·081	+0·25	+0·09	3	9·34	50.6334
4987	8·5	42 20·36	−0·01	3·7084	·049	−0·004	47 47 6·7	−0·1	18·081	·24	−0·08	3	8·37	47.6206
4988	7·9	42 42·75	−0·01	3·6776	·046	−0·008	46 15 47·8	+0·1	18·067	·24	+0·03	3	8·33	46.6501
4989	9·0*	43 0·11	−0·03	3·6046	·040	−0·011	42 30 33·4	−0·1	18·056	·24	−0·04	4	7·38	42.6406
4990	9·0	43 2·56	−0·04	3·6184	·041	−0·015	43 14 4·9	−0·4	18·054	·24	−0·17	4	7·39	43.6291
4991	8·8	13 43 3·79	0·00	+3·6265	+0·042	0·000	−43 39 2·9	−0·2	−18·054	+0·24	−0·09	4	7·38	43.6292
4992	8·9	43 8·04	0·00	3·7370	·051	0·000	48 49 53·7	0·0	18·051	·24	+0·04	3	9·38	48.5854
4993	9·3	43 17·27	...	3·6458	·043	...	44 34 18·0	...	18·045	·24	...	3	8·35	44.6534
4994	8·0	43 19·28	−0·03	3·5612	·036	−0·011	40 1 6·8	0·0	18·044	·23	−0·01	6	7·26	39.6085
4995	9·4	43 22·55	...	3·6612	·044	...	45 18 22·6	...	18·042	·24	...	3	8·35	45.6557
4996	8·1	13 43 34·42	0·00	+3·7809	+0·054	−0·006	−50 31 30·3	0·0	−18 034	+0·25	−0·02	3	9·40	50.6351
4997	8·3	43 35·77	0·00	3·7963	·056	−0·002	51 7 23·3	0·0	18·033	·25	−0·05	3	9·43	50.6352
4998	8·4	43 35·93	−0·01	3·7616	·053	−0·012	49 44 30·3	0·0	18·033	·25	−0·03	3	9·34	49.6391
4999	9·5	44 23·18	...	3·7491	·051	...	49 1 22·0	...	18·003	·25	...	3	9·35	48.5871
5000	8·9	44 39·17	−0·01	3·6523	·043	−0·005	44 32 34·0	0·0	17·993	·24	−0·02	3	8·30	44.6542

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5001	8·6	13 45 1·16	−0·02	+3·7270	+0·049	−0·014	−47 55 14·4	+0·1	−17·979	+0·25	+0·07	3	8·35	47.6222
5002	9·0*	45 23·72	−0·03	3·5939	·038	−0·008	41 19 15·5	−0·1	17·964	·24	−0·03	4	6·71	41.6491
5003	6·0*	45 35·38	0·00	3·6963	·046	−0·003	46 24 9·7	−0·1	17·956	·25	−0·05	3	8·35	46.6529
5004	8·4	45 44·81	−0·01	3·7407	·050	−0·009	48 19 37·1	0·0	17·950	·25	−0·04	3	9·36	48.5884
5005	7·8	45 48·62	−0·01	3·7191	·048	−0·003	47 22 12·5	−0·1	17·948	·25	−0·07	3	8·33	47.6234
5006	8·6	13 45 48·86	...	+3·6821	+0·045	...	−45 41 12·6	...	−17·948	+0·25	...	3	8·36	45.6575
5007	9·0*	45 54·65	−0·03	3·5758	·037	−0·010	40 11 39·0	−0·1	17·944	·24	−0·05	4	7·34	40.6321
5008	9·4	45 57·27	...	3·7672	·052	...	49 22 47·9	...	17·942	·25	...	3	9·37	49.6418
5009	8·5*	46 16 53	−0·01	3·6129	·040	−0·003	42 7 19·7	+0·1	17·930	·24	+0·03	5	6·82	41.6499
5010	7·8	46 19·81	−0·04	3·7959	·054	−0·068	50 25 33·1	0·0	17·928	·26	−0·04	3	9·41	50.6387
5011	9·5	13 46 22·54	0·00	+3·6782	+0·045	−0·001	−45 21 37·5	+0·1	−17·926	+0·25	+0·09	3	8·35	45.6579
5012	8·3	46 23·59	0·00	3·8273	·057	−0·004	51 36 8·6	−0·1	17·925	·26	−0·15	3	9·43	51.6382
5013	7·5*	46 45·43	−0·04	3·6125	·039	−0·010	41 59 14·2	−0·3	17·911	·24	−0·08	5	6·49	41.6505
5014	8·5	46 48·44	−0·02	3·6398	·041	−0·006	43 22 37·8	−0·3	17·909	·25	−0·13	4	7·36	43.6317
5015	9·5*	47 1·24	−0·03	3·6234	·040	−0·010	42 29 17·8	0·0	17·901	·25	0·00	4	7·40	42.6433
5016	9·5	13 47 25·55	...	+3·6527	+0·042	...	−43 51 50·3	...	−17·885	+0·25	...	4	7·39	43.6322
5017	8·0*	47 30·10	0·00	3·6001	·038	0·000	41 8 26·5	−0·2	17·882	·25	−0·07	5	6·80	41.6511
5018	8·8	47 32·67	−0·01	3·6629	·043	−0·007	44 20 16·9	−0·3	17·880	·25	−0·16	3	8·30	44.6563
5019	7·0	47 43·57	−0·01	3·7132	·047	−0·007	46 38 6·2	0·0	17·873	·25	−0·02	3	8·35	46.6546
5020	8·2	47 48·21	0·00	3·8178	·056	−0·002	50 54 25·0	0·0	17·870	·26	+0·01	3	9·35	50.6409
5021	9·1	13 47 50·52	...	+3·7009	+0·046	...	−46 2 45·4	...	−17·868	+0·25	...	3	8·38	45.6592
5022	7·4	48 2·94	0·00	3·7512	·050	−0·002	48 11 58·4	0·0	17·860	·26	−0·03	3	9·40	48.5916
5023	8·3	48 17·63	−0·01	3·7675	·051	−0·012	48 49 1·5	0·0	17·850	·26	+0·05	3	9·42	48.5923
5024	7·0	48 26·28	−0·03	3·7402	·049	−0·016	47 38 30·6	−0·1	17·844	·26	−0·04	3	8·30	47.6254
5025	8·5	48 27·97	...	3·6794	·044	...	44 54 7·7	...	17·843	·25	...	3	8·41	44.6568
5026	9·4	13 48 28·28	−0·03	+3·7297	+0·048	−0·016	−47 10 47·3	0·0	−17·843	+0·26	+0·01	3	8·35	47.6255
5027	8·0	48 44·28	0·00	3·6206	·039	0·000	41 55 22·9	−0·1	17·832	·25	−0·02	6	6·59	41.6523
5028	8·8	48 45·78	0·00	3·6918	·045	−0·002	45 24 28·3	−0·1	17·831	·25	−0·06	3	8·38	45.6597
5029	9·0	49 3·93	...	3·7813	·052	...	49 11 20·2	...	17·819	·26	...	3	9·36	49.6474
5030	9·3	49 18·40	...	3·6515	·041	...	43 20 51·3	...	17·810	·25	...	5	6·84	43.6332
5031	7·0	13 49 29·17	−0·01	+3·8089	+0·054	−0·010	−50 10 9·5	0·0	−17·802	+0·26	−0·01	3	9·40	50.6436
5032	7·8	49 40·51	0·00	3·6169	·039	−0·001	41 30 13·9	−0·1	17·795	·25	−0·04	4	7·36	41.6537
5033	8·3	49 46·71	−0·03	3·6409	·041	−0·009	42 42 27·7	−0·2	17·791	·25	−0·06	4	7·13	42.6452
5034	9·1	49 49·73	0·00	3·5962	·037	+0·001	40 21 52·8	−0·2	17·789	·25	−0·06	4	7·17	40.6352
5035	7·0	49 58·92	−0·01	3·8492	·057	−0·008	51 32 41·4	+0·1	17·783	·27	+0·08	3	9·37	51.6438
5036	8·5	13 50 0·75	−0·03	+3·6264	+0·039	−0·009	−41 54 50·0	−0·1	−17·781	+0·25	−0·03	4	6·94	41.6540
5037	9·3	50 38·45	−0·01	3·6544	·041	−0·004	43 10 17·6	−0·2	17·756	·25	−0·08	5	7·20	43.6341
5038	8·5	50 54·53	−0·01	3·6206	·039	−0·003	41 24 4·3	0·0	17·745	·25	−0·01	5	7·19	41.6551
5039	7·8	51 25·91	0·00	3·7309	·047	−0·001	46 31 12·4	−0·1	17·723	·26	−0·03	3	8·30	46.6576
5040	8·7	51 29·26	−0·02	3·6953	·044	−0·012	44 54 48·3	−0·2	17·721	·26	−0·10	3	8·35	44.6587

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5041	9·3	13 51 39·19	...	+3·7598	+0·049	...	−47 41 50·0	...	−17·714	+0·26	...	3	8·38	47.6285
5042	8·6	52 10·10	−0·02	3·7266	·046	−0·012	46 9 40·4	−0·1	17·693	·26	−0·06	3	8·37	46.6582
5043	9·2	52 14·29	−0·01	3·7192	·046	−0·006	45 49 10·9	−0·1	17·690	·26	−0·05	3	8·41	45.6633
5044	4·5*	52 30·07	−0·01	3·6875	·043	−0·004	44 18 55·6	−0·1	17·680	·26	−0·03	3	8·33	44.6595
5045	9·1	52 38·18	0·00	3·7500	·048	0·000	47 3 31·9	0·0	17·674	·27	+0·02	3	8·38	46.6586
5046	8·7	13 52 44·04	0·00	+3·8371	+0·055	+0·003	−50 28 7·7	+0·1	−17·670	+0·27	+0·09	3	9·36	50.6482
5047	8·5	52 46·83	−0·02	3·6452	·040	−0·008	42 12 57·1	−0·1	17·668	·26	−0·03	5	7·02	42.6472
5048	8·4	52 49·13	...	3·8636	·057	...	51 24 18·6	...	17·667	·27	...	3	9·42	51.6476
5049	6·3	52 52·23	0·00	3·8222	·053	+0·002	49 52 55·9	0·0	17·664	·27	−0·04	3	9·42	49.6535
5050	7·7	52 57·43	−0·02	3·7042	·044	−0·012	44 58 48·2	−0·2	17·661	·26	−0·11	3	8·37	44.6598
5051	9·5*	13 53 8·05	−0·03	+3·6081	+0·037	−0·009	−40 14 2·3	−0·1	−17·653	+0·26	−0·02	4	6·45	40.6382
5052	8·9	53 13·34	0·00	3·7893	·051	−0·002	48 31 50·5	0·0	17·650	·27	+0·02	3	9·42	48.5998
5053	8·0	53 19·76	−0·02	3·6684	·041	−0·009	43 12 58·1	+0·1	17·645	·26	+0·03	4	7·37	43.6354
5054*	9·4	53 42·29	...	3·7484	·047	...	46 44 24·0	..	17·630	·27	...	3	8·32	46.6590
5055	9·0*	53 47·83	−0·06	3·6628	·041	−0·017	42 50 28·6	+0·1	17·627	·26	+0·02	4	6·45	42.6483
5056	9·5	13 53 49·79	...	+3·6247	+0·038	...	−40 56 13·6	...	−17·625	+0·26	....	4	7·13	40.6387
5057	7·2	54 4·20	−0·01	3·7248	·045	−0·006	45 38 29·8	0·0	17·614	·27	−0·01	3	8·35	45.6647
5058	9·2	54 6·27	...	3·7674	·048	...	47 26 32·8	...	17·613	·27	...	3	8·39	47.6307
5059	8·3	54 28·60	−0·01	3·8097	·052	−0·008	49 2 26·3	0·0	17·597	·27	−0·03	3	9·37	48.6020
5060	7·5*	54 36·25	−0·01	3·6371	·039	−0·005	41 23 25·2	−0·1	17·592	·26	−0·03	5	7·23	41.6589
5061	9·3	13 54 37·52	0·00	+3·8265	+0·053	−0·003	−49 38 27·1	0·0	−17·591	+0·28	+0·02	3	9·40	49.6562
5062	9·3	54 43·18	−0·03	3·6471	·039	−0·013	41 51 49·6	0·0	17·587	·26	0·00	4	7·38	41.6591
5063	9·3	54 53·20	..	3·8378	·054	...	50 0 19·0	...	17·580	·28	...	3	9·43	49.6567
5064	8·8	54 53·92	0·00	3·7882	·050	−0·004	48 6 8·1	0·0	17·580	·27	0·00	3	9·44	47.6310
5065	7·0*	54 58·25	−0·03	3·6867	·042	−0·012	43 42 43·3	−0·2	17·577	·27	−0·07	4	7·37	43.6368
5066	5·0*	13 55 29·07	−0·01	+3·7203	+0·044	−0·003	−45 7 8·4	−0·1	−17·555	+0·27	−0·04	3	8·31	44.6613
5067	9·3	55 42·58	−0·01	3·7087	·044	−0·008	44 33 10·0	−0·1	17·546	·27	−0·06	3	8·34	44.6616
5068	9·7†	56 29·06	...	3·6623	·040	...	42 12 36·2	...	17·513	·27	...	5	6·47	42.6507
5069	9·4	5 35·63	...	3·8151	·051	...	48 46 20·4	...	17·508	·28	...	3	9·37	48.6057
5070	7·6	56 58·53	0·00	3·8954	·058	−0·006	51 34 37·5	0·0	17·492	·29	−0·01	3	9·36	51.6530
5071	9·5	13 57 20·67	...	+3·7927	+0·049	...	−47 43 46·7	...	−17·476	+0·28	...	3	8·31	47.6330
5072	8·8	57 31·01	−0·01	3·7732	·048	−0·005	46 54 33·6	−0·1	17·469	·28	−0·05	3	8·36	46.6622
5073	9·0*	57 38·14	−0·01	3·6905	·042	−0·003	43 17 2·9	−0·1	17·463	·27	−0·04	5	6·49	43.6390
5074	9·5	57 44·64	...	3·8820	·056	...	50 57 4·3	...	17·459	·29	...	3	9·41	50.6568
5075	7·9	57 48·92	−0·01	3·7099	·043	−0·005	44 7 58·5	−0·1	17·456	·27	−0·08	3	8·40	44.6627
5076	9·3	13 57 55·14	...	+3·7519	+0·046	...	−45 56 25·5	...	−17·451	+0·28	...	3	8·37	45.6672
5077	7·8	58 5·47	−0·02	3·6515	·039	−0·006	41 19 47·0	−0·3	17·444	·27	−0·08	5	6·62	41.6622
5078	8·0	58 23·80	−0·01	3·8513	·053	−0·010	49 43 24·2	0·0	17·431	·29	−0·03	3	9·36	49.6623
5079	8·7	58 24·36	−0·01	3·7280	·044	−0·007	44 48 27·7	−0·1	17·430	·28	−0·03	3	8·33	44.6633
5080	9·2	58 43·72	−0·01	3·8614	·054	−0·009	50 0 50·5	0·0	17·416	·29	−0·01	3	9·37	49.6627

5054. $9^m·4$, $10^m·4$ 5″± 315°± Brighter star observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5081	9·0	13 59 14·93	−0·04	+3·6899	+0·041	−0·013	−42 54 23·2	−0·3	−17·394	+0·28	−0·09	5	6·85	42.6526
5082	9·1	59 46·17	−0·01	3·7429	·045	−0·007	45 8 58·0	−0·1	17·371	·28	−0·05	3	8·30	45.6684
5083	8·0	59 51·00	0·00	3·9007	·057	−0·006	51 8 26·5	0·0	17·367	·29	0·00	3	9·35	51.6565
5084	9·0	59 53·50	0·00	3·8376	·052	−0·006	48 53 49·9	0·0	17·366	·29	0·00	3	9·38	48.6119
5085	5·0*	59 56·36	−0·01	3·6469	·038	−0·004	40 42 1·8	−0·1	17·364	·27	−0·04	5	6·43	40.6441
5086	6·5*	14 0 0·17	−0·02	+3·6871	+0·041	−0·008	−42 36 44·7	−0·2	−17·361	+0·28	−0·08	5	7·22	42.6533
5087	8·8	0 21·57	−0·01	3·7688	·046	−0·007	46 6 34·2	0·0	17·345	·28	−0·01	3	8·35	45.6685
5088	9·1	0 23·69	0·00	3·8946	·056	−0·007	50 49 4·5	+0·1	17·344	·29	+0·10	3	9·40	50.6604
5089	9·0*	0 30·79	−0·04	3·6520	·038	−0·015	40 49 38·0	−0·2	17·339	·27	−0·08	5	7·04	40.6447
5090	9·0	0 33·88	−0·02	3·6612	·039	−0·006	41 15 52·1	+0·1	17·336	·28	+0·02	5	7·40	41.6636
5091	7·3	14 0 36·44	−0·01	+3·7950	+0·048	−0·005	−47 6 40·0	0·0	−17·334	+0·29	−0·02	3	8·30	46.6639
5092*	7·0	1 13·20	0·00	3·8589	·053	−0·004	49 23 37·4	+0·1	17·307	·29	+0·10	3	9·35	49.6679
5093	8·3	1 14·00	−0 01	3·8137	·049	−0·005	47 42 33·1	−0·1	17·307	·29	−0·04	3	8·35	47.6383
5094	7·0	1 15·83	0·00	3·8275	·050	−0·008	48 13 35·2	0·0	17·305	·29	−0·04	3	9·38	48.6144
5095	8·0*	1 27·05	−0·01	3·6427	·037	−0·002	40 10 26·8	−0·3	17·297	·28	−0·08	10	6·86	40.6455
5096	9·0	14 1 40·30	−0·02	+3·7023	+0·041	−0·007	−42 57 8·7	−0·1	−17·287	+0·28	−0·03	5:4	6·98:6·90	42.6545
5097	9·0	1 40·38	0·00	3·7482	·044	−0·002	44 58 11·3	0·0	17·287	·28	−0·01	3	8·30	44.6649
5098	8·0*	1 41·29	−0·02	3·7148	·042	−0·006	43 31 0·8	−0·3	17·287	·28	−0·08	5	6·83	43.6416
5099	9·0	2 11·99	−0·02	3·6749	·039	−0·009	41 34 19·3	−0·1	17·264	·28	−0·04	4	7·39	41.6648
5100	6·7*	2 39·20	−0·02	3·7077	·041	−0·006	42 59 42·8	−0·1	17·244	·28	−0·05	9	7·10	42.6557
5101	9·2	14 2 48·07	...	+3·7351	+0·043	...	−44 10 12·2	...	−17·237	+0·29	...	3	8·30	44.6660
5102	8·9	3 1·47	+0·01	3·8019	·048	+0·004	46 52 26·1	−0·1	17·227	·29	−0·06	3	8·35	46.6652
5103	9·1	3 4·65	0·00	3·8981	·055	−0·005	50 22 34·6	0·0	17·225	·30	−0·05	3	9·36	50.6655
5104	9·0	3 12·45	+0·03	3·7921	·047	+0·020	45 26 51·4	+0·2	17·219	·29	+0·12	3	8·38	46.6655
5105	8·0*	3 39·70	−0·01	3·7308	·042	−0·002	43 48 25·7	−0 2	17·199	·29	−0·05	5	6·42	43.6429
5106	8·5	14 3 45·53	−0·02	+3·7787	+0·046	−0·012	−45 47 33·5	−0·3	−17·194	+0·29	−0·17	3	8·34	45.6704
5107	8·1	3 51·67	0 00	3·7706	·045	−0·003	45 26 24·1	0·0	17·190	·29	−0·03	3	8·35	45.6705
5108	8·4	4 0·21	+0·01	3·7489	·044	+0·006	44 30 26·4	−0·5	17·183	·29	−0·30	3	8·39	44.6668
5109	7·9	4 13·29	0·00	3·9199	·056	−0·007	50 52 38·2	0·0	17·173	·30	−0·03	3	9·36	50.6680
5110	7·8	4 17·70	−0·02	3·8196	·049	−0·012	47 17 44·3	−0·1	17·170	·29	−0·04	3	8·42	47.6410
5111	9·5	14 4 18·10	...	+3·6894	+0·039	...	−41 48 38·9	...	−17·169	+0·28	...	4	7·14	41.6655
5112	9·5*	4 18·89	−0·01	3·6822	·039	−0·004	41 28 23·0	0·0	17·169	·28	−0·01	4	7·39	41.6656
5113	8·6	4 20·77	0·00	3·9425	·058	+0·003	51 35 9·7	0·0	17·168	·30	0·00	3	9·39	51.6629
5114	9·5*	4 35·20	+0·01	3·7047	·040	+0·002	42 27 18·1	0·0	17·157	·29	0·00	5	6·47	42.6567
5115	7·3	4 35·81	−0·01	3·8484	·051	−0·010	48 18 28·8	−0·1	17·156	·30	−0·11	3	9·39	48.6205
5116	8·3	14 4 36·39	0·00	+3·8620	+0·051	−0·002	−48 48 0·2	0·0	−17·156	+0·30	−0·03	3	9·42	48.6204
5117	8·6	5 2·49	−0·01	3·8849	·053	−0·009	49 31 18·1	0·0	17·136	·30	+0·03	3	9·36	49.6743
5118	9·5	5 26·41	−0·04	3·7272	·042	−0·015	43 16 38·2	+0·2	17·118	·29	+0·08	5	7·35	43.6445
5119	8·6	5 33·19	...	3·9045	·054	...	50 5 30·1	...	17·113	·30	...	3	9·39	49.6756
5120	8·4	5 49·72	−0·02	3·8448	·050	−0·009	47 55 15·1	−0·2	17·100	·30	−0·11	3	8·30	47.6420

5092. $7^m·5$, $8^m·2$ 0″·9 244° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5121	9·3†	14 5 54·43	...	+3·6605	+0·037	...	−40 7 9·7	...	−17·097	+0·29	...	5	6·48	40.6474
5122	8 5*	6 19·17	−0·04	3·7223	·041	−0·013	42 53 19·6	−0·2	17·078	·29	−0·06	5	6·81	42.6575
5123	9·0	6 41·17	−0·04	3·7103	·040	−0·014	42 16 24·4	−0·3	17·061	·29	−0·10	5	7·39	42.6581
5124	7·0*	6 43·44	−0·02	3·6862	·039	−0·006	41 10 22·6	−0·1	17·059	·29	−0·02	5	7·20	41.6662
5125	9·1	7 3·00	0·00	3·8937	·053	−0·006	49 25 14·1	0·0	17·044	·31	0·00	3	9·36	49.6775
5126	9·5	14 7 4·28	−0·02	+3·8051	+0·046	−0·011	−46 9 45·7	−0·1	−17·044	+·30	−0·03	3	8·32	46.6686
5127	9·7	7 4·81	...	3·9441	·057	...	51 5 28·9	...	17·043	·31	...	3	9·41	50.6715
5128	9·1	7 7·73	−0·03	3·7989	·046	−0·015	45 54 27·8	0·0	17·041	·30	−0·02	3	8·33	45.6737
5129	9·6	7 11·37	0·00	3·7802	·045	−0·002	45 9 4·6	0·0	17·038	·30	−0·01	3	8·40	45.6740
5130	8·8	7 18·02	−0·02	3·8292	·048	−0·010	47 2 33·8	0·0	17·033	·30	−0·01	3	8·42	46.6687
5131	7·8	14 7 35·07	0·00	+3·9349	+0·056	−0·002	−50 41 36·8	0·0	−17·020	+0·31	−0·03	3	9·39	50.6729
5132	7·8	7 41·64	0·00	3·8602	·050	−0·007	48 6 31·3	0·0	17·015	·31	+0·01	5	9·41	47.6436
5133	9·6	7 42·01	...	3·8824	·052	...	48 54 1·6	...	17·014	·31	...	3	9·42	48.6256
5134	9·5	7 42·85	−0·02	3·7560	·043	−0·012	44 3 1·7	0·0	17·014	·30	0·00	3	8·33	43.6457
5135	8·1	7 58·35	−0·01	3·8498	·049	−0·008	47 40 30·2	−0·3	17·002	·30	−0·18	3	8·38	47.6439
5136	9·5*	14 8 0·39	−0·04	+3·7036	+0·039	−0·011	−41 42 57·2	−0·1	−17·000	+0·29	−0·04	5	6·49	41.6670
5137	9·5	8 25·46	−0·02	3·7518	·042	−0·006	43 43 51·3	+0·1	16·981	·30	+0·02	5	7·37	43.6464
5138	6·5*	8 32·01	−0·06	3·6984	·039	−0·018	41 22 10·2	−0·2	16·976	·29	−0·06	5	6·66	41.6675
5139	9·3	8 35·97	...	3·8042	·046	...	45 49 16·1	...	16·973	·30	...	3	8·41	45.6748
5140	7·5*	8 51·71	−0·01	3·6795	·038	−0·003	40 26 1·0	−0·1	16·960	·29	−0·03	5	7·40	40.6494
5141	9·3	14 8 54·73	...	+3·9190	+0·054	...	−49 54 38·2	...	−16·958	+0·31	...	3	9·37	49.6805
5142	8·8	8 56·95	−0·01	3·8307	·048	−0·006	46 46 12·8	+0·1	16·956	·30	+0·04	3	8·35	46.6695
5143	7·0	9 17·68	+0·01	3·7753	·044	+0·009	44 31 49·3	−0·3	16·940	·30	−0·16	3	8·36	44.6693
5144	9·0*	9 17·78	−0·01	3·6947	·038	−0·004	41 2 57·2	−0·1	16·940	·30	−0·02	5	6·49	40.6502
5145	9·3	9 18·12	−0·01	3·9717	·058	−0·015	51 31 52·0	+0·1	16·940	·32	+0·10	3	9·40	51.6712
5146	9·0	14 9 49·74	...	+3·8988	+0·052	...	−49 3 1·2	...	−16·915	+0·31	...	3	9·36	48.6281
5147	9·3	10 3·99	0·00	3·7838	·044	+0·001	44 43 27·6	−0·1	16·904	·30	−0·07	3	8·35	44.6697
5148	9·1	10 8·63	0·00	3·8830	·051	−0·008	48 26 16·4	−0·1	16·900	·31	−0·13	3	9·39	48.6287
5149	8·3	10 13·21	−0·03	3·6924	·038	−0·010	40 46 3·5	−0·1	16·897	·30	−0·02	5	6·83	40.6508
5150	8·8*	10 16·12	+0·01	3·7387	·041	+0·004	42 48 34·6	−0·2	16·895	·30	−0·05	5	6·48	42.6604
5151	8·6	14 10 24·01	0·00	+3·9147	+0·053	−0·002	−49 28 46·0	0·0	−16·888	+0·31	−0·01	3	9·41	49.6836
5152	7·4	10 43·96	−0·01	3·8314	·047	−0·004	46 26 46·2	+0·1	16·873	·31	+0·07	3	8·40	46.6715
5153	9·8	11 2·78	...	3·8488	·048	...	47 2 5·6	...	16·858	·31	...	3	8·35	46.6716
5154	9·5	11 18·89	−0·07	3·7180	·039	−0·022	41 42 27·2	−0·3	16·845	·30	−0·09	5	7·01	41.6694
5155	9·5*	11 24·52	−0·01	3·7625	·042	−0·003	43 35 19·1	−0·1	16·841	·30	−0·04	5	7·02	43.6479
5156	8·0*	14 11 28·46	−0·02	+3·6897	+0·037	−0·007	−40 23 51·4	−0·3	−16·838	+0·30	−0·08	5	6·87	40.6518
5157	8·0	11 32·17	0·00	3·9696	·057	−0·004	51 2 26·4	0·0	16·835	·32	+0·02	3	9·36	50.6805
5158	7·5*	11 38·30	−0·02	3·7290	·040	−0·007	42 7 40·0	−0·2	16·830	·30	−0·07	5	7·04	42.6611
5159	9·3	11 47·33	0·00	3·8049	·045	−0·001	45 13 38·1	0·0	16·823	·31	−0·03	3	8·36	45.6768
5160	9·3	11 47·51	...	3·9466	·055	...	50 15 28·9	...	16·823	·32	...	3	9·39	50.6807

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5161	7·8	14 11 59·98	−0·01	+3·9964	+0·058	−0·011	−51 46 26·9	0·0	−16·813	+0·32	−0·01	3	9·41	51.6750
5162	8·8	12 1·38	−0·01	3·8498	·048	−0 004	46 53 14·2	−0·1	16·812	·31	−0·04	3	8·35	46.6724
5163	9·3	12 33·04	−0·03	3·7250	·039	−0·010	41 46 38·7	−0·2	16·794	·30	−0·05	5	6·65	41.6703
5164	9·4	12 40·92	0·00	3·8885	·050	+0·007	48 8 42·6	0·0	16·780	·32	−0·01	3	9·37	48.6330
5165	8·9	13 3·82	...	3·7820	·043	...	44 4 9·1	...	16·762	·31	...	3	8·35	43.6493
5166	7·8	14 13 6·50	−0·02	+3·8222	+0·045	−0·009	−45 38 18·0	0·0	−16·760	+0·31	−0·02	3	8·33	45.6780
5167	8·8	13 32·20	0·00	3·8329	·046	+0·003	45 58 7·1	−0·1	16·739	·31	−0·05	3	8·39	45.6785
5168*	6·5	13 52·71	−0·04	3·7500	·041	−0·010	42 35 56·8	−0·2	16·723	·31	−0·05	5	6·44	42.6626
5169	10·0	14 12·53	−0·01	3·7661	·041	−0·003	43 12 28·3	−0·2	16·707	·31	−0·06	5	7·37	43.6502
5170	6·0*	14 19·51	·0·00	3·8044	·044	−0·001	44 43 31·4	−0·2	16·701	·31	−0·11	3	8·31	44.6715
5171	7·8	14 14 20·74	−0·01	+3·9200	+0·052	−0·010	−48 54 25·5	0·0	−16·700	+0·32	−0·03	3	9·37	48.6365
5172	9·1†	14 23·94	...	3·7847	·043	...	43 55 38·6	...	16·697	·31	...	5	6·86	43.6503
5173	9·4	14 36·65	...	3·9393	·053	...	49 29 40·6	...	16·687	·33	...	3	9·41	49.6910
5174	7·5	14 45·55	0·00	4·0062	·058	0·000	51 33 22·4	0·0	16·680	·33	0·00	3	9·41	51.6782
5175	9·0*	14 57·43	−0·02	3·7232	·039	−0·009	41 14 51·3	−0·3	16·670	·31	−0·10	5	7·38	41.6728
5176	8·6	14 15 5·58	0·00	+3·9798	+0·056	0·000	−50 41 37·6	0·0	−16·664	+0·33	+0·06	3	9·40	50.6859
5177	8·8	15 8·96	−0·01	3·9154	·051	−0·010	48 36 11·9	0·0	16·661	·32	+0·02	3	9·40	48.6373
5178	8·8	15 17·36	−0·01	3·8874	·049	−0·006	47 36 46·9	−0·2	16·654	·32	−0·11	3	8·31	47.6479
5179	8·3	15 41·60	−0·01	3·7976	·043	−0·006	44 12 0·6	−0·1	16·634	·32	−0·05	3	8·38	44.6726
5180	8·5	15 46·55	0·00	3·8635	·047	−0·002	46 40 31·8	0·0	16·630	·32	0·00	3	8·43	46.6753
5181	9·5*	14 16 2·47	−0·03	+3·7352	+0·039	−0·008	−41 33 59·6	−0·2	−16·618	+0·31	−0·06	5	6·85	41.6735
5182*	6·5*	16 6·33	−0·01	3·8989	·050	−0·005	47 51 45·6	0·0	16·614	·33	−0·01	5	8·40	47.6483
5183	9·5	16 27·29	...	3·8803	·048	...	47 9 5·3	...	16·597	·32	...	2	8·31	47.6486
5184	8·7	16 31·22	−0·02	3·8440	·046	−0·010	45 49 20·1	0·0	16·594	·32	0·00	3	8·38	45.6803
5185	8·3	16 35·85	−0·01	3·8549	·047	−0·007	46 12 31·1	0·0	16·590	·32	−0·02	3	8·43	46.6763
5186	7·0	14 16 39·87	0·00	+3·9768	+0·055	−0·007	−50 18 57·1	0·0	−16·587	+0·33	−0·02	3	9·37	50.6880
5187	9·5	16 43·77	...	3·7031	·037	...	40 1 42·4	...	16·584	·31	...	5	7·38	39.6286
5188	9·0	17 10·52	...	3·7319	·038	...	41 13 4·4	...	16·562	·31	...	5	7·43	41.6748
5189	9·0	17 14·26	−0·07	3·7595	·040	−0·024	42 22 27·5	−0·3	16·559	·32	−0·09	5	7·22	42.6652
5190	8·5*	17 17·19	−0·03	3·7875	·042	−0·009	43 30 20·6	−0·1	16·556	·32	−0·05	4	7·18	43.6524
5191	8·3	14 17 23·49	−0·02	+3·8319	+0·045	−0·011	−45 12 28·9	−0·2	−16·551	+0·32	−0·10	3	8·33	45.6809
5192	8·9	17 25·67	0·00	4·0366	·059	−0·007	51 58 2·5	0·0	16·549	·34	−0·01	5	9·44	51.6818
5193	9·5	17 26·17	...	3·9434	·052	...	49 6 40·7	...	16·549	·33	...	3	9·39	48.6410
5194	8·0*	17 29·03	−0·03	3·7476	·039	−0·009	41 49 54·1	0·0	16·547	·32	−0·01	5	7·01	41.6751
5195	9·3	17 43·11	...	3·9174	·050	...	48 11 56·5	...	16·535	·33	...	3	9·42	48.6415
5196	9·7	14 17 55·19	...	+3·9618	+0·053	...	−49 36 58·7	...	−16·525	+0·33	...	3	9·45	49.6951
5197	9·0	17 59·35	...	3·8533	·046	...	45 53 54·5	...	16·522	·33	...	3	8·35	45.6817
5198	9·5	18 16·17	−0·01	3·7584	·040	−0·004	42 8 21·4	−0·3	16·508	·32	−0·10	5	7·18	42.6658
5199	7·0*	18 18·86	−0·04	3·8011	·043	−0·011	43 51 21·3	−0·2	16·506	·32	−0·07	5	6·45	43.6530
5200	8·3	18 22·74	−0·01	3·8245	·044	−0·007	44 44 58·4	−0·1	16·502	·32	−0·08	3	8·53	44.6755

5168. $6^m·6, 9^m·5$ 4″·0 · 304° Brighter star observed.

5182. $6^m·6, 9^m·6$ 4″·0 125° Brighter star observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5201	7·0*	14 18 30·52	−0·04	+3·7165	+0·037	−0·010	−40 18 2·6	−0·2	−16·496	+0·32	−0·05	5	6·47	40.6566
5202	9·4	18 46·04	...	4·0133	·056	...	51 2 54·2	...	16·483	·34	...	3	9·38	50.6902
5203	8·5	18 51·52	0·00	3·9365	·051	−0·005	48 37 33·7	0·0	16·478	·33	−0·04	3	9·40	48.6430
5204	8·9†	19 14·22	...	3·7454	·039	...	41 25 19·4	...	16·460	·32	...	5	7·35	41.6762
5205	9·6	19 17·76	...	3·9179	·050	...	47 55 45·2	...	16·457	·33	...	3	8·34	47.6517
5206	9·0	14 19 43·62	...	+3·7322	+0·038	...	−40 46 18·4	...	−16·435	+0·32	...	5	6·44	40.6569
5207	8·5	19 44·56	0·00	3·9625	·053	−0·006	49 18 47·5	0·0	16·434	·34	−0·02	3	9·38	49.6963
5208*	5·0*	19 44·78	−0·01	3·8357	·044	−0·004	44 55 37·7	0·0	16·434	·33	−0·02	5	8·41	44.6771
5209	9·5*	19 53·44	−0·01	3·7855	·041	−0·005	42 57 20·9	−0·1	16·427	·32	−0·03	5	7·21	42.6664
5210	9·0	20 0·76	−0·01	3·9927	·055	−0·009	50 12 26·9	+0·1	16·421	·34	+0·13	3	9·40	50.6919
5211	8·5*	14 20 5·71	−0·05	+3·7238	+0·037	−0·015	−40 20 44·9	−0·4	−16·417	+0·32	−0·10	5	6·46	40.6575
5212	9·5	20 17·94	0·00	3·7964	·042	+0·001	43 18 58·0	−0·3	16·406	·33	−0·10	5	7·38	43.6553
5213	9·6	20 32·93	...	3·8928	·048	...	46 50 52·6	...	16·394	·33	...	3	8·31	46.6795
5214	9·0	20 45·65	...	3·7524	·039	...	41 26 46·4	...	16·383	·32	...	5	7·04	41.6774
5215	8·0	20 49·31	−0·02	4·0404	·057	−0·038	51 29 1·9	0·0	16·380	·35	+0·05	3	9·36	51.6862
5216	9·0	14 20 52·95	−0·01	+3·9009	+0·048	−0·007	−47 4 7·0	0·0	−16·377	+0·33	−0·02	3	8·42	46.6797
5217	9·1	21 2·65	−0·02	3·8198	·043	−0·010	44 5 37·8	0·0	16·369	·33	−0·01	5	8·37	43.6558
5218	7·8	21 4·94	−0·01	3·8649	·046	−0·009	45 45 46·0	0·0	16·367	·33	−0·02	3	8·43	45.6847
5219	9·0*	21 21·10	−0·03	3·7419	·038	−0·011	40 54 15·1	−0·1	16·353	·32	−0·02	5	6·85	40.6584
5220	7·5	21 22·09	−0·02	3·8157	·042	−0·006	43 52 47·3	−0 2	16·352	·33	−0·07	7	6·69	43.6561
5221	9·5	14 21 32·69	0·00	+4·0223	+0·056	−0·006	−50 49 46·3	0·0	−16·343	+0·35	+0·02	3	9·40	50.6943
5222	9·0*	21 53·00	−0·01	3·7781	·040	−0·004	42 18 18·8	−0·4	16·326	·33	−0·11	5	6·68	42.6676
5223	7·0	22 17·41	−0·01	3·9221	·049	−0·009	47 32 35·9	0·0	16·306	·34	−0·03	3	8·34	47.6531
5224	8·4	22 23·05	0·00	3·9438	·050	−0·004	48 14 52·9	0·0	16·301	·34	0·00	3	9·38	48.6482
5225	9·3	22 26·43	...	3·8535	·044	...	45 6 43·2	...	16·298	·33	...	3	8·37	45.6860
5226	9·3	14 22 34·21	−0·02	+3·8752	+0·046	−0·011	−45 52 18·2	−0·1	−16·291	+0·34	−0·05	3	8·42	45.6861
5227	7·8	22 41·70	0·00	3·9901	·053	−0·002	49 39 41·4	0·0	16·285	·35	−0·03	3	9·38	49.7013
5228	9·0*	22 45·60	−0·06	3·7971	·041	−0·017	42 54 48·7	−0·2	16·282	·33	−0·05	5	6·42	42.6686
5229	9·5*	23 13·58	−0·06	3·7522	·038	−0·017	41 0 23·7	−0·1	16·258	·33	−0·04	5	6·51	40.6595
5230	8·1	23 15·66	0·00	3·8468	·044	+0·001	44 43 14·8	0·0	16·256	·34	−0·03	3	8·34	44.6803
5231	9·4	14 23 26·37	...	+3·7739	+0·039	...	−41 51 59·8	...	−16·247	+0·33	...	5	7·37	41.6794
5232	8·5	23 33·39	−0·01	3·7794	·040	−0·005	42 4 15·1	−0·1	16·241	·33	−0·03	12	7·11	41.6797
5233	9·3	23 42·74	0·00	4·0692	·058	−0·002	51 48 33·3	0·0	16·233	·35	−0·03	3	9·39	51.6898
5234	9·1	23 43·94	0·00	3·9397	·050	−0·003	47 52 46·0	0·0	16·232	·34	−0·01	3	8·41	47.6540
5235	9·4	23 46·29	−0·02	3·8881	·046	−0·012	46 7 16·0	0·0	16·230	·34	+0·03	3	8·43	46.6821
5236	8·5	14 23 48·70	0·00	+3·9726	+0·052	−0·002	−48 55 34·1	0·0	−16·228	+0·35	−0·02	3	9·37	48.6500
5237	8·4	24 23·83	0·00	3·9589	·051	−0·001	48 23 26·3	0·0	16·198	·35	0·00	3	9·42	48.6506
5238	8·8	24 38·86	−0·06	3·8181	·041	−0·021	43 24 11·5	−0·1	16·185	·34	−0·03	5	7·35	43.6586
5239	7·9	24 45·10	−0·01	3·9075	·047	−0·005	46 37 37·6	−0·1	16·179	·34	−0·03	3	8·31	46.6838
5240	7·8	24 54·49	−0·01	3·9279	·048	−0·007	47 17 13·8	+0·1	16·171	·35	+0·07	3	8·40	47.6550

5208. $5^m·8$, $5^m·9$ 0″·3 185° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5241	7·5*	14 24 58·66	−0·01	+3·7403	+0·037	−0·002	−40 12 38·4	−0·1	−16·168	+0·33	−0·04	5	6·42	40.6605
5242	8·8	25 1·97	−0·01	4·0414	·056	−0·016	50 47 49·5	0·0	16·165	·36	0·00	3	9·38	50.6992
5243	9·6	25 5·84	...	3·9817	·052	...	48 59 35·3	...	16·162	·35	...	3	9·43	48.6510
5244	8·9	25 6·94	...	3·8442	·043	...	44 18 20·6	...	16·161	·34	...	3	8·42	44.6823
5245	9·0*	25 16·27	−0·02	3·7841	·039	−0·007	41 58 2·3	0·0	16·153	·33	0·00	5	6·48	41.6809
5246	8·5*	14 25 20·01	−0·03	+3·8014	+0·041	−0·008	−42 38 35·7	−0·2	−16·149	+0·33	−0·07	5	6·68	42.6697
5247	8·5	25 35·44	0·00	3·8653	·044	−0·003	45 0 0·1	0·0	16·136	·34	−0·03	3	8·34	44.6828
5248	7·3	25 39·07	0·00	4·0706	·058	−0·005	51 31 37·9	0·0	16·133	·36	0·00	3	9·39	51.6931
5249	5·0*	25 52·64	0·00	4·0195	·054	−0·007	50 0 49·3	0·0	16·121	·36	−0·02	5	9·42	49.7073
5250	8·1	26 3·51	−0·01	3·9272	·048	−0·007	47 4 5·8	0·0	16·112	·35	−0·03	3	8·36	46.6848
5251	8·3	14 26 17·46	−0·01	+3·9191	+0·047	−0·006	−46 45 31·1	−0·1	−16·100	+0·35	−0·05	3	8·41	46.6853
5252	9·5*	26 20·26	−0·05	3·7671	·038	−0·015	41 6 0·3	−0·2	16·097	·33	−0·05	5	6·43	40.6615
5253	8·3	26 43·65	0·00	3·9800	·051	−0·005	48 39 57·0	0·0	16·077	·35	−0·06	3	9·36	48.6539
5254	9·9	26 47·44	...	4·0093	·053	...	49 33 28·1	...	16·073	·36	...	3	9·42	49.7091
5255	9·3	26 49·47	0·00	3·9444	·049	−0·001	47 30 41·8	0·0	16·072	·35	−0·02	3	8·34	47.6566
5256	9·7	14 26 56·06	...	+3·9606	+0·050	...	−48 1 1·8	...	−16·066	+0·35	...	3	9·44	47.6568
5257	7·9	27 19·39	−0·01	3·9026	·046	−0·009	46 1 23·3	−0·1	16·046	·35	−0·07	3	8·36	45.6895
5258	8·5†	27 23·64	...	3·7516	·037	...	40 17 13·4	...	16·042	·33	...	5	6·50	40.6621
5259	7·0*	27 47·43	−0·01	3·7869	·039	−0·004	41 39 30·8	−0·1	16·021	·34	−0·03	5	6·45	41.6830
5260	9·3	27 53·97	...	3·8547	·043	...	44 13 38·1	...	16·015	·34	...	3	8·36	44.6848
5261	8·5	14 27 55·41	...	+3·8448	+0·042	...	−43 51 40·4	...	−16·014	+0·34	...	5	7·18	43.6605
5262	9·0*	27 57·65	+0·01	3·8153	·041	+0·004	42 44 24·7	+0·1	16·012	·34	+0·04	5	7·00	42.6713
5263	8·1	28 1·16	−0·01	3·9013	·046	−0·004	45 51 51·5	−0·1	16·009	·35	−0·06	5	8·41	45.6899
5264	8·5	28 30·14	−0·01	3·8764	·044	−0·005	44 54 38·9	0·0	15·983	·35	+0·01	3	8·36	44.6850
5265	8·5	28 40·62	−0·01	3·8282	·041	−0·005	43 6 53·4	−0·3	15·974	·34	−0·10	5	7·35	43.6611
5266	8·4	14 28 55·52	−0·02	+3·8967	+0·045	−0·014	−45 33 5·4	0·0	−15·961	+0·35	−0·02	3	8·35	45.6910
5267	9·0	29 2·22	−0·01	4·0517	·055	−0·011	50 26 20·8	0·0	15·955	·37	0·00	3	9·37	50.7057
5268	6·5*	29 11·89	−0·01	3·7783	·038	−0·003	41 4 42·6	−0·1	15·947	·34	−0·03	14	6·97	40.6636
5269	7·8	29 15·59	−0·01	3·9225	·047	−0·004	46 22 38·7	0·0	15·944	·35	−0·02	3	8·41	46.6871
5270	8·5*	29 22·08	−0·03	3·8124	·040	−0·008	42 23 47·2	−0·2	15·938	·34	−0·05	6	6·76	42.6721
5271	9·0	14 29 41·57	−0·01	+4·0976	+0·058	−0·012	−51 36 53·8	0·0	−15·921	+0·37	0·00	3	9·41	51.6977
5272	9·3	29 50·52	...	3·8450	·042	...	43 33 7·3	...	15·913	·35	...	5	7·20	43.6619
5273	9·3	30 3·03	...	4·0802	·056	...	51 5 1·1	...	15·902	·37	...	3	9·38	50.7078
5274	9·6	30 4·82	...	4·0409	·054	...	49 57 30·2	...	15·900	·37	...	3	9·43	49.7149
5275	9·3	30 35·68	0·00	3·9731	·049	+0·002	47 48 50·7	−0·2	15·873	·36	−0·11	3	8·31	47.6593
5276	9·0	14 30 55·77	...	+3·7802	+0·038	...	−40 52 37·2	...	−15·855	+0·34	...	5	6·67	40.6641
5277	8·5*	31 5·03	−0·02	3·7679	·037	−0·006	40 21 13·7	−0·2	15 846	·34	−0·05	5	6·84	40.6642
5278	4·5*	31 9·47	0·00	4·0140	·052	−0·005	48 59 23·7	0·0	15·842	·37	−0·04	5	9·43	48.6610
5279	7·5*	31 11·72	−0·01	3·8275	·040	−0·005	42 40 34·8	−0·1	15·840	·35	−0·03	5	7·37	42.6730
5280	7·5	31 15·57	−0·01	3·9694	·049	−0·007	47 35 17·9	0·0	15·837	·36	−0·03	3	8·39	47.6598

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5281	7·3	14 31 31·94	−0·01	+4·0321	+0·053	−0·010	−49 27 58·4	0·0	−15·822	+0·37	−0·01	3	9·37	49.7179
5282	8·6	31 35·14	0·00	3·9510	·047	−0·001	46 56 52·0	−0·1	15·819	·36	−0·08	3	8·35	46.6890
5283	9·7	31 41·81	...	3·9878	·050	...	48 5 59·9	...	15·813	·36	...	3	9·42	47.6603
5284	9·0	31 50·63	+0·01	3·8910	·044	+0·004	44 52 43·8	0·0	15·806	·36	−0·03	3	8·38	44.6873
5285	8·0*	32 23·77	−0·03	3·8298	·040	−0·009	42 34 1·6	−0·4	15·776	·35	−0·10	5	6·49	42.6739
5286	9·1	14 32 23·93	−0·03	+3·8002	+0·038	−0·011	−41 25 52·0	−0·2	−15·775	+0·35	−0·06	5	7·00	41.6857
5287	9·2	32 33·90	−0·01	4·0491	·053	−0·016	49 48 7·9	0·0	15·767	·37	−0·02	3	9·38	49.7204
5288	7·0	32 37·23	−0·04	3·9316	·046	−0·022	46 8 43·9	−0·4	15·764	·36	−0·25	3	8·34	46.6899
5289	9·0	32 37·81	0·00	4·0819	·055	−0·003	50 43 30·6	0·0	15·763	·37	+0·04	3	9·40	50.7122
5290	9·0*	32 57·48	−0·02	3·8605	·042	−0·008	43 37 4·0	−0·4	15·745	·35	−0·12	5	7·02	43.6635
5291	8·6	14 33 1·73	−0·01	+3·9253	+0·045	−0·006	−45 52 0·6	−0·1	−15·742	+0·36	−0·05	3	8·36	45.6945
5292	9·2	33 4·86	−0·01	3·9686	·048	−0·008	47 16 32·6	−0·1	15·739	·37	−0·06	3	8·43	47.6617
5293	7·5	33 7·57	0·00	4·1182	·058	−0·005	51 38 0·1	0·0	15·736	·38	+0·01	3	9·40	51.7032
5294	9·6	33 7·99	...	4·0668	·054	...	50 13 4·7	...	15·736	·37	...	3	9·43	50.7131
5295	8·1	33 39·84	−0·01	3·9061	·044	−0·005	45 6 50·7	−0·1	15·707	·36	−0·07	3	8·34	45.6953
5296	9·2	14 33 50·30	0·00	+4·0335	+0·052	−0·003	−49 8 50·9	0·0	−15·698	+0·37	−0·01	3	9·37	49.7228
5297	9·2	34 7·23	...	3·8810	·042	...	44 10 10·9	...	15·682	·36	...	3	8·40	44.6894
5298	8·0*	34 11·48	−0·03	3·7755	·037	−0·009	40 10 37·8	−0·1	15·678	·35	−0·02	5	6·49	40.6655
5299	8·0	34 18·60	−0·01	3·8170	·039	−0·002	41 46 54·1	−0·1	15·672	·35	−0·04	5	6·86	41.6869
5300	9·6	34 36·68	...	3·9005	·043	...	44 45 31·0	...	15·656	·36	...	3	8·34	44.6898
5301	9·0	14 35 11·91	...	+3·8758	+0·042	...	−43 48 46·3	...	−15·623	+0·36	...	5	7·38	43.6650
5302	9·0*	35 15·23	+0·01	3·8272	·039	+0·002	42 1 30·5	−0·2	15·620	·36	−0·06	5	6·71	41.6876
5303	8·5	35 16·34	0·00	4·1159	·056	−0·006	51 14 46·0	0·0	15·619	·38	−0·04	3	9·38	51.7070
5304	7·7	35 26·54	−0·01	3·9367	·045	−0·007	45 52 9·2	0·0	15·610	·37	−0·02	3	8·36	45.6967
5305	9·5	35 46·65	−0·02	3·8085	·038	−0·009	41 13 58·6	−0·1	15·592	·35	−0·04	5	7·40	41.6879
5306	8·7	14 35 56·49	0·00	+4·0335	+0·051	+0·003	−48 49 20·1	0·0	−15·583	+0·38	+0·03	3	9·39	48.6691
5307	8·1	35 59·56	0·00	4·0187	·050	−0·007	48 22 15·4	0 0	15·580	·38	−0·05	3	9·42	48.6695
5308	9·1	36 7·04	−0·01	4·0683	·053	−0·014	49 48 11·4	0·0	15·573	·38	+0·02	3	9·43	49.7287
5309	9·8	36 18·22	...	4·1093	·056	...	50 54 46·8	...	15·563	·38	...	3	9·45	50.7169
5310	7·4	36 34·75	−0·01	3·9816	·047	−0·006	47 8 37·4	−0·1	15·547	·37	−0·03	3	8·33	47.6649
5311	8·6†	14 36 36·98	...	+3·7853	+0·036	...	−40 11 51·8	...	−15·545	+0·36	...	5	6·50	40.6677
5312	8·4	36 55·31	−0·01	3·9476	·045	−0·009	46 0 3·2	+0·1	15·528	·37	+0·04	3	8·35	45.6981
5313	9·5	36 56·78	0·00	4·1346	·057	−0·005	51 29 18·4	+0·1	15·527	·39	+0·09	3	9·40	51.7098
5314	8·5	37 6·75	0·00	4·0894	·054	−0·005	50 14 41·0	0·0	15·518	·38	+0·01	3	9·42	50.7191
5315	9·0	37 19·26	−0·02	4·0027	·049	−0·010	47 40 59·3	−0·1	15·506	·38	−0·06	3	8·33	47.6655
5316	9·5	14 37 33·70	−0·01	+3·8598	+0·040	−0·003	−42 52 34·5	−0·1	−15·493	+0·36	−0·02	5	7·20	42.6774
5317	9·3	37 55·98	0·00	4·0688	·052	−0·006	49 32 35·8	0·0	15·472	·38	−0·03	3	9·42	49.7330
5318	9·3	38 5·21	...	4·0114	·049	...	47 50 5·7	...	15·464	·38	...	3	8·36	47.6662
5319	9·0*	38 22·16	−0·03	3·8210	·038	−0·011	41 19 3·2	+0·1	15·448	·36	+0·04	5	6·85	41.6859
5320	7·0	38 24·18	0·00	4·1201	·055	−0·008	50 53 26·6	0·0	15·446	·39	0·00	3	9·40	50.7213

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900 0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5321	9·3	14 38 27·67	−0·02	+3·9817	+0·047	−0·012	−46 51 38·3	0·0	−15·443	+0·38	+0·02	3	8·33	46.6974
5322	9·5	38 29·94	...	4·0492	·051	...	48 53 44·7	...	15·441	·38	...	3	9·41	48.6732
5323	9·2	38 40·46	−0·01	3·9255	·044	−0·005	45 0 6·0	+0·1	15·431	·37	+0·04	3	8·42	44.6941
5324	9·3	38 50·35	0·00	3·8497	·039	0·000	42 19 0·0	−0 2	15·422	·36	−0·07	5	7·40	42.6786
5325	9·5†	38 51·84	−0·02	3·8951	·042	−0·006	43 55 56·6	+0·2	15·420	·37	+0·08	5	7·04	43.6684
5326	8·8	14 39 7·30	−0·04	+3·9696	+0·046	−0·024	−46 22 48·4	−0·1	−15·406	+0·38	−0·04	3	8·44	46.6979
5327	8·5	39 10·91	−0·03	3·9415	·044	−0·016	45 27 24·5	−0·1	15·403	·37	−0·09	3	8·36	45.7004
5328	9·0	39 18·59	...	3·8120	·037	...	40 49 48·2	...	15·395	·36	...	4	7·39	40.6694
5329	7·6	39 24·42	−0·01	3·9123	·043	−0·007	44 26 40·0	−0·1	15·390	·37	−0·07	3	8·39	44.6947
5330	8·1	39 32·42	0·00	4·0319	·050	−0·003	48 13 57·1	−0·1	15·383	·38	−0·09	3	9·39	48.6757
5331	8·5*	14 39 41·97	−0·02	+3·8373	+0·039	−0·007	−41 43 33·8	−0·1	−15·374	+0·37	−0·03	5	7·03	41.6909
5332	7·0	39 47·57	−0·01	3·9931	·047	−0·007	47 1 8·6	−0·1	15·368	·38	−0·04	5	8·38	46.6986
5333	9·0*	40 9·32	−0·02	3·8668	·040	−0·006	42 41 30·6	−0·5	15·348	·37	−0·13	5	6·49	42.6796
5334	6·5	40 13·24	0·00	4·1646	·058	−0·003	51 47 3·8	0·0	15·344	·40	−0·04	3	9·41	51.7154
5335	9·3	40 58·97	0·00	4·0915	·053	−0·006	49 43 44·2	0·0	15·301	·39	+0·01	3	9·40	49.7371
5336	7·0*	14 41 1·95	−0·01	+3·8816	+0·041	−0·004	−43 8 11·5	−0·1	−15·299	+0·37	−0·02	5	7·37	43.6702
5337	8·3	41 17·29	−0·01	3·9597	·045	−0·005	45 44 12·0	0·0	15·284	·38	−0·03	3	8·35	45.7024
5338	8·5	41 17·49	−0·03	3 8199	·037	−0·009	40 50 23·0	+0·1	15·284	·37	+0·04	5	6·70	40.6707
5339	9·0*	41 17·90	−0 02	3·8578	·039	−0·008	42 14 51·0	−0·3	15·284	·37	−0·11	5	7·04	42.6804
5340	8·8	41 22·61	0·00	3·9951	·047	−0·002	46 50 36·2	0·0	15·279	·38	+0·01	3	8·42	46.7007
5341	9·5	14 41 28·16	...	+3·9827	+0·046	...	−46 26 42·1	...	−15·274	+0·38	...	3	8·38	46.7009
5342	8 0*	41 32·46	−0·02	3·8307	·038	−0·008	41 12 41·8	−0·1	15·270	·37	−0·05	5	7·24	41.6918
5343	9·4	41 37·29	...	3·8515	·039	...	41 58 15·6	...	15·265	·37	...	5	7·41	41.6919
5344	9·5	41 43·08	...	3·9467	·044	...	45 15 0·4	...	15·260	·38	...	3	8·45	45.7025
5345	8·4	41 48·08	0·00	4·1417	·055	−0·001	50 57 54·1	0·0	15·255	·40	−0·02	5	9·41	50.7256
5346	9·6	14 41 49·56	...	+4·1190	+0·054	...	−50 21 36·7	...	−15·254	+0·40	...	3	9·43	50.7257
5347	9·1	42 3·32	...	4·0365	·049	...	47 59 47·2	...	15·241	·39	...	3	9·42	47.6709
5348	9·5*	42 26·10	−0·02	3·9092	·042	−0·006	43 53 29·3	−0·1	15·219	·38	−0·03	5	6·68	43.6715
5349	9·1	42 52·38	...	4·0358	·049	...	47 51 27·5	...	15·194	·39	...	3	8·33	47.6722
5350	8·6	42 57·22	...	4·0107	·047	...	47 5 35·3	...	15·189	·39	...	3	8·40	46.7023
5351	9·3	14 43 1·87	...	+3·9184	+0·042	...	−44 6 54·5	...	−15·185	+0·38	...	3	8·41	44.6980
5352	9·0	43 3·83	0·00	3·8949	·041	−0·001	43 18 18·8	−0·3	15·183	·38	−0·10	5	7·38	43.6722
5353	9·0*	43 15·16	0·00	3·8751	·040	+0·001	42 34 54·7	−0·2	15·172	·38	−0·06	5	7·01	42.6813
5354	9·1	43 32·56	0·00	4·0915	·052	−0·006	49 21 34·0	0·0	15·156	·40	−0·03	3	9·40	49.7403
5355	8·5†	43 38·40	...	3·8125	·036	...	40 13 28·0	...	15·150	·37	...	5	7·03	40.6719
5356	9·3	14 43 38·98	−0·02	+3 9740	+0·045	−0·010	−45 50 58·4	0·0	−15·150	+0·39	0·00	3	8·36	45.7054
5357	9·4	43 39·56	...	4·0721	·050	...	48 47 42·8	...	15·149	·39	..	3	9·43	48.6835
5358	8·8	43 39·80	0·00	4·1866	·057	−0·007	51 50 57·0	0·0	15·149	·41	+0·08	3	9 45	51.7214
5359	8·0*	43 42·25	−0·01	3·8450	·038	−0·004	41 25 50·8	−0·1	15·146	·37	−0·02	5	6·69	41.6929
5360	9·0	43 58·44	+0·01	3·9406	·043	+0·004	44 43 26·1	0·0	15·131	·38	−0·02	3	8·38	44.6996

No.	Mag.	Mean R.A. 1900·0	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5361	9·8	14 44 21·46	...	+4·1144	+0·053	...	−49 52 36·6	...	−15·109	+0·40	...	4	9·44	49·7420
5362	7·0*	44 29·36	−0·02	3·8753	·039	−0·007	42 24 27·2	−0·1	15·101	·38	−0·03	5	6·84	42.6817
5363	9·1	44 43·03	−0·02	4·0249	·047	−0·010	47 16 9·4	0·0	15·088	·39	0·00	3	8·39	47.6740
5364	9·1	44 45·30	−0·02	3·9859	·045	−0·011	46 4 11·6	0·0	15·086	·39	0·00	3	8·42	45.7066
5365	8·2	44 48·22	...	4·0255	·046	...	46 40 7·9	...	15·082	·39	...	3	8·43	46.7049
5366	9·7†	14 45 6·53	...	+3·8653	+0·039	...	−41 58 26·8	...	−15·065	+0·38	...	4	6·94	41.6937
5367	9·2	45 24·88	0·00	3·9567	·043	0·000	45 2 34·8	0·0	15·048	·39	+0·01	3	8·36	44.7013
5368	9·3	45 30·60	−0·01	4·1728	·056	−0·012	51 14 40·5	0·0	15·043	·41	+0·02	3	9·41	51.7245
5369	8·6	45 36·22	0·00	4·0657	·049	−0·003	48 20 21·3	0·0	15·037	·40	0·00	4	9·45	48.6870
5370	7·4	45 39·27	−0·01	3·9415	·042	−0·005	44 30 47·6	−0·2	15·034	·39	−0·10	3	8·40	44.7015
5371	8·0	14 45 41·84	...	+4·0488	+0·048	...	−47 50 5·9	...	−15·032	+0·40	...	3	8·41	47.6750
5372	8·9	46 4·44	0·00	3·9638	·044	−0·003	45 10 44·6	0·0	15·010	·39	−0·03	3	8·44	45.7077
5373	9·0*	46 9·92	−0·03	3·8610	·038	−0·008	41 39 48·3	−0·2	15·005	·38	−0·04	5	6·71	41.6944
5374	9·5	46 30·46	0·00	4·1566	·054	−0·005	50 41 20·6	0·0	14·985	·41	+0·03	3	9·40	50.7323
5375	8·3	46 32·26	0·00	3·9096	·040	0·000	43 19 1·6	−0·1	14·983	·39	−0·05	5	7·37	43.6762
5376	9·5	14 46 39·79	...	+3·8747	+0·039	...	−42 4 58·4	...	−14·976	+0·38	...	5	7·23	41.6948
5377	9·8*	47 4·00	−0·01	3·8237	·036	−0·005	40 10 4·6	−0·2	14·952	·38	−0·09	5	7·41	40.6742
5378	9·1	47 8·41	...	4·0992	·051	...	49 4 4·2	...	14·948	·40	...	3	9·42	48.6888
5379	9·0	47 14·03	−0·01	3·9603	·043	−0·007	44 54 5·0	0·0	14·942	·39	0·00	3	8·35	44.7029
5380	8·0*	47 15·35	0·00	3·8960	·040	−0·001	42 45 8·0	−0·4	14·941	·38	−0·11	5	6·50	42.6828
5381	8·8	14 47 15·46	−0·02	+3·9901	+0·045	−0·010	−45 50 54·2	0 0	−14·941	+0·39	+0·01	3	8·39	45.7085
5382	9·1	47 28·74	0·00	4·1317	·052	−0·007	49 54 12·5	0·0	14·928	·41	+0·07	3	9·40	49.7477
5383	9·0*	48 23·73	−0·02	3·8331	·036	−0·006	40 20 21·7	0·0	14·875	·38	+0·01	5	6·67	40.6745
5384	9·5	48 28·22	...	4·1879	·055	...	51 13 12·2	...	14·870	·42	...	3	9·42	51.7306
5385	7·8	48 29·10	−0·05	3·8503	·037	−0·018	40 57 16·3	−0·4	14·869	·38	−0·14	5	7·37	40.6746
5386	8·1	14 48 35·54	0·00	+4·0084	+0·045	−0·002	−46 13 23·8	−0·1	−14·863	+0·40	−0·05	3	8·35	46.7086
5387	8·0*	48 50·20	−0·01	3·9371	·041	−0·004	43 55 36·5	0·0	14·849	·39	0·00	17	7·06	43.6785
5388	8·4	49 4·75	−0·01	3·9892	·044	−0·009	45 34 2·2	0·0	14·834	·40	−0·02	3	8·40	45.7106
5389	9·5	49 13·49	...	3·8657	·038	...	41 24 21·4	...	14·826	·38	...	5	7·41	41.6964
5390	9·1	49 21·91	0·00	4·1735	·054	−0·007	50 44 13·4	0·0	14·817	·42	+0·02	3	9·40	50.7367
5391	8·5*	14 49 39·14	−0·02	+3·9333	+0·041	−0·005	−43 41 11·2	+0·1	−14·801	+0·39	+0·02	5	6·85	43.6794
5392	8·3	49 42·10	−0·01	4·0373	·047	−0·004	46 56 40·5	−0·1	14·798	·40	−0·06	3	8·38	46.7099
5393	8·0	49 46·60	−0·01	4·1542	·053	−0·009	50 10 57·7	0·0	14·793	·42	−0·03	3	9·42	50.7379
5394	7·5	49 47·15	0·00	3·9524	·042	−0·003	44 17 55·2	−0·1	14·793	·40	−0·04	3	8·40	44.7061
5395	8·0	50 2·66	−0·03	3·9160	·040	−0·010	43 3 3·0	−0·3	14·777	·39	−0·11	5	7·26	42.6847
5396	8·1	14 50 9·21	−0·01	+4·0999	+0·050	−0·010	−48 40 37·1	0·0	−14·771	+0·41	−0·01	3	9·44	48.6942
5397	9·0	50 18·34	+0·01	3·8749	·038	+0·003	41 35 37·2	+0·5	14·762	·39	+0·15	5	6·85	41.6965
5398	9·3	50 32·22	...	3·8459	·036	...	40 30 42·4	...	14·748	·39	...	5	7·41	40.6758
5399	8·3	50 46·16	0·00	4·1321	·051	−0·008	49 28 4·5	0·0	14·734	·41	+0·03	3	9·40	49.7540
5400	9·0*	50 56·48	−0·06	3·8853	·038	−0·019	41 52 9·9	−0·2	14·724	·39	−0·06	6	6·67	41.6971

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5401	8·4	14 51 27·00	−0·01	+4·2126	+0·056	−0·019	−51 26 4·5	0·0	−14·694	+0·42	0·00	3	9·41	51.7355
5402	8·8	51 42·78	−0·01	3·9735	·042	−0·004	44 42 43·6	−0·2	14·678	·40	−0·14	3	8·41	44.7075
5403	9·4	51 42·85	0·00	4·0521	·047	+0·001	47 6 20·5	0·0	14·678	·41	−0·01	3	8·35	47.6805
5404	7·8	52 11·40	−0·01	4·0795	·048	−0·008	47 49 59·1	0·0	14·650	·41	−0·03	3	8·43	47.6810
5405	8·8	52 13·25	0·00	4·1782	·053	−0·007	50 28 37·1	0·0	14·648	·42	−0·07	3	9·42	50.7421
5406	8·6	14 52 14·00	0·00	+4·0055	+0·044	+0·002	−45 38 31·4	0·0	−14·647	+0·41	−0·01	3	8·45	45.7136
5407	7·5	52 18·15	0·00	4·1012	·049	−0·003	48 25 24·0	0·0	14·643	·41	−0·07	3	9·40	48.6982
5408	8·5*	52 31·36	−0·01	3·9000	·038	−0·004	42 10 14·0	−0·2	14·630	·39	−0·05	5	6·46	42.6859
5409	9·5	52 34·90	...	3·8400	·035	...	40 1 41·3	...	14·626	·39	...	5	6·87	39.6497
5410	8·9	52 37·67	0·00	3·9879	·043	−0·002	45 2 31·9	0·0	14·624	·40	−0·03	3	8·36	44.7090
5411	7·8	14 53 10·91	−0·01	+4·0164	+0·044	−0·006	−45 50 51·8	0·0	−14·591	+0·41	−0·02	3	8·42	45.7142
5412	7·0*	53 10·92	−0·06	3·9393	·040	−0·022	43 24 28·6	−0·4	14·591	·40	−0·14	5	7·21	43.6822
5413	9·3	53 16·23	+0·02	4·0312	·045	+0·011	46 16 55·3	0·0	14·585	·41	+0·02	3	8·44	46.7129
5414	8·6	53 46·76	−0·01	4·1617	·052	−0·013	49 50 57·6	0·0	14·555	·42	+0·01	3	9·39	49.7586
5415	9·4	54 18·58	0·00	4·0533	·046	−0·002	46 47 43·1	0·0	14·523	·41	−0·03	3	8·35	46.7135
5416	9·0*	14 54 27·30	+0·01	+3·9201	+0·039	+0·003	−42 36 6·7	0·0	−14·514	+0·40	+0·01	5	6·47	42.6872
5417	9·3	54 35·44	0·00	4·2010	·054	−0·002	50 44 31·0	0·0	14·506	·43	0·00	3	9·43	50.7466
5418	8·0*	54 35·94	−0·02	3·8998	·038	−0·007	41 53 27·7	−0·2	14·505	·40	−0·07	5	6·51	41.6996
5419	8·0	54 51·03	0·00	4·2343	·055	−0·007	51 31 15·9	0·0	14·489	·43	−0·01	3	9·39	51.7432
5420	9·0	55 3·75	−0·03	3·9045	·038	−0·011	41 59 5·0	−0·1	14·477	·40	−0·04	5	7·25	41.7003
5421	8·5	14 55 4·79	−0·02	+3·8881	+0·037	−0·006	−41 25 37·3	−0·1	−14·476	+0·40	−0·03	5	7·18	41.7004
5422	8·4	55 6·13	−0·01	4·0504	·045	−0·008	46 36 32·7	−0·2	14·474	·41	−0·13	3	8·39	46.7142
5423	9·1	55 8·67	0·00	4·1247	·049	−0·003	48 41 38·0	0·0	14·472	·42	−0·04	3	9·44	48.7019
5424	9·1	55 19·13	−0·03	4·0849	·047	−0·017	47 34 26·4	0·0	14·462	·42	+0·03	3	8·38	47.6845
5425	9·3	55 21·71	...	3·9819	·042	...	44 29 43·7	...	14·459	·41	...	3	8·44	44.7116
5426	9·3	14 55 50·83	−0·01	+4·1078	+0·048	−0·019	−48 8 29·3	0·0	−14·430	+0·42	−0·01	3	9·39	48.7027
5427	9·5	55 53·35	...	4·0263	·044	...	45 47 44·0	...	14·427	·41	...	3	8·42	45.7165
5428	8·5*	56 4·58	−0·03	3·8848	·037	−0·009	41 10 42·0	−0·2	14·416	·40	−0·06	5	6·48	41.7012
5429	9·4	56 19·77	−0·02	3·9455	·040	−0·006	43 12 5·3	−0·1	14·400	·41	−0·03	5	7·39	43.6847
5430	9·4	56 33·18	...	4·1522	·050	...	49 14 38·8	...	14·387	·43	...	3	9·42	49.7639
5431	9·5*	14 56 36·95	−0·02	+3·9666	+0·041	−0·007	−43 51 11·6	−0·2	−14·383	+0·41	−0·07	5	6·51	43.6848
5432	9·0	56 50·76	−0·01	3·9323	·039	−0·002	42 41 47·9	−0·3	14·369	·41	−0·11	5	7·39	42.6887
5433	8·0	56 59·68	0·00	4·2583	·056	−0·008	51 49 11·6	0·0	14·360	·44	+0·03	3	9·40	51.7478
5434	8·5	57 41·70	0·00	4·2217	·054	−0·002	50 51 30·7	0·0	14·317	·44	−0·05	3	9·40	50.7540
5435	9·6	57 47·93	...	4·1799	·051	...	49 48 13·8	...	14·311	·43	...	3	9·43	49.7663
5436	8·5*	14 57 57·95	−0·03	+3·9613	+0·040	−0·008	−43 30 13·3	−0·5	−14·300	+0·41	−0·14	5	6·47	43.6863
5437	9·3	58 4·64	...	3·9816	·041	...	44 8 11·8	...	14·293	·41	...	3	8·35	44.7143
5438	9·5*	58 7·04	−0·03	3·9182	·038	−0·008	42 3 50·6	+0·1	14·291	·41	+0·02	5	6·50	41.7021
5439	7·0	58 13·89	−0·02	3·8723	·036	−0·006	40 28 8·3	−0·1	14·284	·40	−0·04	5	7·39	40.6802
5440*	4·0*	58 18·45	−0·01	4·0663	·045	−0·004	46 39 35·2	−0·1	14·280	·42	−0·04	3	8·39	46.7178

5440. $4^m·7, 4^m·8$ 1″·3 88° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5441	8·8	14 58 19·02	−0·02	+4·0168	+0·043	−0·010	−45 11 43·3	0·0	−14·279	+0·42	+0·01	3	8·42	45.7188
5442	9·2	58 20·84	−0·01	4·0849	·046	−0·009	47 11 4·4	−0·1	14·277	·42	−0·04	3	8·45	47.6876
5443	9·5*	58 22·81	−0·04	3·9158	·038	−0·013	41 57 8·9	−0·2	14·275	·41	−0·06	5	7·06	41.7025
5444	8·5	58 32·25	−0·01	3·9961	·041	−0·006	44 31 47·6	0·0	14·264	·42	0·00	3	8·45	44.7152
5445	7·8*	58 41·86	−0·03	3·8659	·035	−0·011	40 10 44·5	−0·2	14·256	·40	−0·06	5	7·42	40.6807
5446	8·3	14 58 48·84	0·00	+4·1990	+0·052	−0·008	−50 9 26·8	0·0	−14·248	+0·44	−0·05	3	9·40	50.7555
5447	8·5	59 13·82	0·00	4·1512	·049	−0·006	48 52 43·0	−0·3	14·222	·43	−0·55	3	9·41	48.7086
5448	9·3	59 43·62	0·00	4·1632	·050	+0·001	49 7 53·2	0·0	14·192	·43	+0·02	3	9·41	49.7697
5449	8·3	59 45·48	−0·01	4·1165	·047	−0·009	47 53 13·7	−0·2	14·190	·43	−0·10	3	8·35	47.6897
5450	6·8	59 46·61	0·00	4·2653	·055	−0·002	51 38 28·9	0·0	14·189	·45	−0·01	3	9·42	51.7536
5451	9·4	14 59 52·52	0·00	+4·0580	+0·044	0·000	−46 13 20·1	0·0	−14·183	+0·42	0·00	3	8·40	46.7201
5452	8·5*	59 57·05	+0·01	3·9381	·038	+0·003	42 29 49·5	−0·5	14·178	·41	−0·14	5	6·47	42.6905
5453	8·7	15 0 2·91	−0·02	3·9131	·037	−0·005	41 39 13·9	0·0	14·172	·41	0·00	5	6·71	41.7032
5454	8·8	0 18·10	−0·01	4·0335	·043	−0·005	45 26 50·8	0·0	14·157	·42	+0·03	3	8·43	45.7205
5455	8·6	0 21·37	−0·04	4·1087	·047	−0·023	47 35 57·0	−0·1	14·154	·43	−0·06	3	8·45	47.6903
5456	9·5	15 0 22·79	0·00	+3·8730	+0·035	0·000	−40 13 26·3	0·0	−14·152	+0·41	0·00	5	6·67	40.6819
5457	9·7	0 33·18	0·00	4·2380	·054	−0·008	50 54 9·7	0·0	14·141	·44	+0·07	3	9·42	50.7587
5458*	8·8*	0 55·01	0·00	3·9485	·038	−0·001	42 43 18·1	−0·1	14·118	·42	−0·05	5	7·41	42.6913
5459	9·5	1 0·13	−0·03	3·9327	·038	−0·012	42 11 28·4	−0·2	14·113	·41	−0·09	5	7·43	42.6915
5460	9·5	1 5·96	−0·04	3·9068	·037	−0·013	41 18 25·8	0·0	14·107	·41	+0·01	5	6·89	41.7041
5461	7·8	15 1 13·80	−0·03	+4·0288	+0·042	−0·018	−45 11 25·3	−0·2	−14·099	+0·42	−0·12	3	8·35	45.7211
5462	8·9	1 16·07	0·00	4·1944	·051	−0·004	49 44 31·4	0·0	14·097	·44	0·00	3	9·39	49.7725
5463	7·5*	1 22·39	−0·02	3·9690	·039	−0·006	43 19 33·9	−0·1	14·090	·42	−0·05	5	7·03	43.6877
5464	6·0*	1 42·90	−0·03	3·8769	·035	−0·008	40 11 52·5	−0·3	14·069	·41	−0·09	6	6·52	40.6826
5465	8·8	1 43·57	−0·01	4·2194	·052	−0·009	50 18 18·1	0·0	14·068	·44	−0·01	3	9·42	50.7612
5466	9·3	15 1 54·91	...	+4·0917	+0·045	...	−46 55 59·4	...	−14·056	+0·43	...	3	8·40	46.7222
5467*	(?)	2 1·03	−0·01	3·9962	·040	−0·006	44 5 57·7	−0·1	14·050	·42	−0·08	5	8·45	44.7182
5468	9·0	2 1·31	0·00	4·1377	·047	−0·005	48 10 51·6	0·0	14·050	·44	+0·03	3	9·41	48.7144
5469	8·7	2 4·64	...	4·1222	·047	...	47 45 15·0	...	14·046	·43	...	3	8·37	47.6924
5470*	5·0*	2 6·34	−0·01	4·0225	·042	−0·004	44 53 41·7	0·0	14·044	·42	−0·03	3	8·43	44.7186
5471	8·8	15 3 0·18	0·00	+4·1683	+0·049	−0·003	−48 51 51·8	+0·1	−13·988	+0·44	+0·13	3	9·39	48.7158
5472	9·4†	3 15·66	...	3·9843	·040	...	43 34 28·6	...	13·972	·42	...	5	6·52	43.6896
5473	8·2	3 17·00	0·00	4·2833	·055	+0·001	51 38 19·4	0·0	13·971	·45	−0·01	3	9·42	51.7609
5474	9·5	3 25·66	−0·01	3·9339	·037	−0·002	41 55 50·5	+0·2	13·962	·42	+0·07	5	6·88	41.7057
5475	9·0	3 48·55	−0·04	3·9108	·036	−0·015	41 6 45·2	−0·2	13·938	·42	−0·06	5	7·41	41.7062
5476	8·6	15 3 58·79	−0·01	+4·0570	+0·043	−0·005	−45 41 9·8	+0·1	−13·927	+0·43	+0·04	3	8·35	45.7245
5477	8·0	4 28·51	0·00	4·2485	·052	−0·002	50 40 57·4	0·0	13·896	·45	−0·02	3	9·39	50.7666
5478	9·8	4 54·36	...	4·0973	·045	...	46 43 34·8	...	13·869	·44	...	3	8·43	46.7250
5479	8·8*	4 59·37	−0·01	3·9523	·038	−0·003	42 20 52·4	−0·2	13·863	·42	−0·07	5	6·49	42.6936
5480	8·0	4 59·56	0·00	4·0851	·044	−0·002	46 22 22·5	0·0	13·863	·44	+0·01	3	8·35	46.7252

5458. $9^m·5, 9^m·7$ $2''\pm$ $170°\pm$ Mass observed.

5467. Estimates of Mag. 1898, June 6, 9, 14, 15, 20 = 8·5, 8·0, 8·5, 8·8, 7·3.

5470. $5^m·5, 6^m·1$ $0''·8$ $190°$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5481	8·6	15 4 59·85	0·00	+4·1148	+0·045	+0·001	−47 12 0·2	−0·1	−13·863	+0·44	−0·08	3	8·45	47.6946
5482	9·0	5 2·51	−0·02	3·9683	·038	−0·005	42 51 27·2	+0·1	13·860	·42	+0·02	6	6·69	42.6937
5483	9·0	5 4·67	−0·02	3·9363	·037	−0·009	41 48 39·0	−0·1	13·858	·42	−0·04	5	7·40	41.7068
5484	8·9	5 13·19	0·00	4·1657	·048	+0·005	48 31 52·5	+0·1	13·849	·44	+0·09	3	9·40	48.7201
5485*	8 1	5 19·64	0·00	4·0268	·041	+0·003	44 38 1·5	0·0	13·842	·43	−0·01	3	8·46	44.7223
5486	7·1	15 5 34·98	0·00	+4·1411	+0·047	−0·003	−47 50 24·0	−0·1	−13·826	+0·44	−0·06	3	8·40	47.6952
5487	9·2	5 50·10	0·00	4·2815	·054	0·000	51 17 57·8	0·0	13·810	·46	+0·06	3	9·43	51.7662
5488	9·5	5 55·19	0·00	4·2420	·052	−0·008	50 21 27·5	0·0	13·804	·45	−0·02	3	9·44	50.7705
5489	8·6	6 0·16	−0·01	4·2104	·050	−0·010	49 34 31·0	0·0	13·799	·45	+0·06	3	9·40	49.7820
5490	5·2*	6 6·45	−0·01	4·0129	·040	−0·005	44 7 20·9	−0·1	13·793	·43	−0·04	3	8·35	44.7228
5491	8·1	15 6 9·79	−0·01	+4·0284	+0·041	−0·005	−44 34 53·2	0·0	−13·789	+0·43	+0·02	3	8·43	44.7229
5492	9·3	6 16·86	...	3·8910	·035	...	40 8 45·9	...	13·781	·42	...	5	6·71	40.6855
5493	8·5	6 38·13	0·00	4·3041	·055	−0·001	51 43 27·3	0·0	13·759	·46	−0·04	3	9·40	51.7690
5494	8·5*	6 45·18	−0·01	4·0056	·039	−0·003	43 49 15·7	−0·2	13·751	·43	−0·06	5	6·85	43.6923
5495	8·0	7 5·34	−0·01	3·9225	·036	−0·002	41 7 5·5	0·0	13·730	·42	−0·01	12	7·22	41.7087
5496	9·0	15 7 23·18	−0·01	+4·1601	+0·047	−0·010	−48 7 55·6	0·0	−13·711	+0·45	−0·05	3	9·39	48.7244
5497	9·1	7 24·69	0·00	4·0549	·042	−0·002	45 13 18·4	+0·1	13·709	·44	+0·04	3	8·35	45.7275
5498	8·9	7 27·66	−0·02	4·0768	·043	−0·011	45 50 45·7	−0·1	13·706	·44	−0·05	3	8·40	45.7276
5499	8·0*	8 12·82	−0·03	3·9515	·037	−0·008	41 56 46·3	−0·1	13·658	·43	−0·04	5	6·49	41.7098
5500	9·5	8 20·63	−0·01	3·9841	·038	−0·003	42 58 17·3	+0·1	13·650	·43	+0·03	5	6·89	42.6965
5501	9·2	15 8 20·91	0·00	+4·0929	+0·043	−0·003	−46 11 53·2	0·0	−13·650	−0·44	+0·03	3	8·35	46.7281
5502	8·0	8 29·90	0·00	4·1927	·048	−0·004	48 50 22·1	0·0	13·640	·45	+0·01	3	9·39	48.7263
5503	9·5	8 49·82	...	4·2302	·050	...	49 44 4·0	...	13·619	·46	...	3	9·42	49.7890
5504	7·4	8 56·20	0·00	4·1506	·046	−0·001	47 42 5·2	−0·1	13·612	·45	−0·05	3	8·40	47.6987
5505	8·1	9 2·26	0·00	4·1170	·044	+0·002	46 47 8·8	−0·1	13·605	·45	−0·06	3	8·43	46.7288
5506	8·0*	15 9 3·85	−0·04	+3·9131	+0·035	−0·012	−40 34 42·5	−0·2	−13·604	+0·42	−0·05	5	6·89	40.6888
5507	9·3	9 16·74	−0·01	3·9720	·037	−0·004	42 28 20·5	−0·1	13·590	·43	−0·03	5	7·06	42.6975
5508	8·6	9 19·69	−0·02	4·0588	·041	−0·013	45 6 32·7	0·0	13·587	·44	−0·03	3	8·35	45.7299
5509	6·0*	9 29·20	−0·01	3·9307	·035	−0·002	41 7 11·0	0·0	13·577	·43	−0·01	5	7·42	41.7104
5510	7·0	9 29·27	−0·02	3·9929	·038	−0·008	43 6 49·3	−0·1	13·576	·43	−0·03	5	6·89	43.6953
5511	8·0	15 9 39·76	0·00	+4·2736	+0·052	−0·008	−50 40 37·5	0·0	−13·565	+0·47	−0·01	3	9·40	50.7780
5512	7·3	9 44·42	−0·02	4·0272	·040	−0·010	44 7 55·7	−0·1	13·560	·44	−0·06	3	8·45	44.7268
5513	8·5	9 45·71	0·00	4·0092	·039	+0·001	43 34 48·4	−0·1	13·559	·44	−0·05	5	7 26	43.6957
5514	9·1	9 53·02	−0·03	3·9280	·035	−0·012	40 58 54·6	+0·2	13·551	·43	+0·08	5	7·45	40.6892
5515	7·7	9 55·38	−0·01	4·1470	·045	−0·009	47 29 37·8	0·0	13·548	·45	−0·01	3	8·40	47.7001
5516	7·5	15 10 5·40	−0·03	+4·0870	+0·042	−0·018	−45 49 53·6	0·0	−13·538	+0·45	+0·01	3	8·39	45.7308
5517	8·0	10 33·32	−0·02	4·2092	·048	−0·025	49 1 24·9	0·0	13·508	·46	+0·02	3	9·39	48.7307
5518	8·0	10 40·79	...	3·9483	·036	...	41 33 28·0	...	13·499	·43	...	5	6·89	41.7114
5519	8·8*	10 46·37	−0·02	3·9944	·038	−0·005	43 0 51·8	−0·1	13·494	·44	−0·02	5	6·88	42.6986
5520	9·4	10 50·85	−0·01	4·1086	·043	−0·008	46 20 46·7	−0·1	13·489	·45	−0·06	3	8·41	46.7314

5485. $8^m·3$, $10^m·2$ 3″·2 142° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5521	9·1	15 11 9·76	0·00	+4·1758	+0·046	−0·001	−48 6 26·8	0·0	−13·468	+0·46	−0·03	5	9·44	48.7319
5522	9·3	11 10·64	−0·01	4·0166	·039	−0·003	43 38 50·3	−0·2	13·467	·44	−0·07	5	7·26	43.6972
5523	9·4	11 22·35	...	4·0338	·040	...	44 8 29·2	...	13·455	·44	...	3	8·42	44.7282
5524	9·0	11 29·50	−0·03	3·9690	·037	−0·010	42 7 40·6	−0·1	13·447	·43	−0·03	5	7·42	42.6993
5525	8·9	11 38·29	0·00	4·0575	·041	+0·003	44 48 23·0	0·0	13·437	·44	−0·03	3	8·43	44.7287
5526	9·1	15 11 42·55	0·00	+4·1952	+0·047	+0·001	−48 32 21·8	0·0	−13·433	+0·46	+0·01	3	9·40	48.7331
5527	8·9	11 56·69	...	4·3170	·053	...	51 25 6·6	...	13·417	·47	...	3	9·44	51.7828
5528	9·0	12 16·74	0·00	4·2820	·051	−0·005	50 35 3·0	0·0	13·396	·47	−0·03	3	9·46	50.7833
5529	6·0*	12 22·80	−0·01	3·9195	·034	−0·004	40 25 17·8	−0·1	13·389	·43	−0·03	5	6·51	40.6909
5530	8·9	12 25·84	0·00	4·2272	·048	+0·008	49 15 24·1	0·0	13·386	·46	0·00	3	9·43	49.7968
5531	9·4	15 12 27·37	...	+4·2492	+0·050	...	−49 47 26·1	...	−13·384	+0·47	...	3	9·46	49.7970
5532	9·0	12 42·66	0·00	4·0718	·041	−0·003	45 6 3·0	+0·1	13·368	·45	+0·04	3	8·37	45.7344
5533	8·3	13 39·40	0·00	4·0147	·038	−0·001	43 18 40·7	−0·2	13·306	·44	−0·07	5	7·41	43.7003
5534	8·5*	13 48·89	−0·04	3·9795	·037	−0·012	42 12 33·9	0·0	13·295	·44	−0·01	5	6·48	42.7009
5535	9·2	13 53·04	...	4·1514	·044	...	47 9 55·6	...	13·291	·46	...	4	8·39	47.7060
5536	9·0	15 14 0·65	−0·03	+4·1065	+0·042	−0·018	−45 56 8·6	−0·2	−13·283	+0·45	−0·12	3	8·45	45.7360
5537	9·0*	14 6·26	−0·02	3·9483	·035	−0·007	41 10 42·4	−0·1	13·277	·44	−0·02	5	6·54	41.7150
5538	9·4	14 11·45	−0·02	3·9972	·037	−0·007	42 43 11·4	0·0	13·271	·44	+0·01	5	7·41	42.7013
5539	9·3	14 27·69	...	4·1385	·043	...	46 45 19·5	...	13·254	·46	...	3	8·38	46.7347
5540	9·2	14 44·51	...	4·1284	·043	...	46 27 9·8	...	13·235	·46	...	3	8·40	46.7352
5541	9·2	15 14 44·56	0·00	+4·2036	+0·046	0·000	−48 25 0·9	+0·1	−13·235	+0·47	+0·10	3	9·40	48.7394
5542	7·3	14 46·34	0·00	4·0616	·040	−0·002	44 34 35·2	−0·1	13·233	·45	−0·06	3	8·44	44.7326
5543	9·6†	14 57·83	...	3·9931	·037	...	42 30 35·3	...	13·220	·44	...	5	7·06	42.7018
5544	8·3	15 0·50	−0·01	4·0904	·041	−0·009	45 22 35·2	0·0	13·217	·45	−0·02	3	8·44	45.7366
5545	7·0	15 3·64	−0·26	4·1865	·045	−0·165	47 56 57·0	−0·4	13·214	·47	−0·27	5	8·44	47.7075
5546	8·0*	15 15 9·22	−0·01	+3·9203	+0·034	−0·002	−40 8 56·1	−0·2	−13·208	+0·44	−0·07	5	6·49	40.6938
5547	6·0*	15 10·24	−0·02	4·1720	·045	−0·014	47 33 48·3	−0·2	13·207	·46	−0·14	3	8·45	47.7077
5548	9·5	15 12·95	−0·02	3·9743	·036	−0·009	41 53 14·2	+0·1	13·204	·44	+0·05	5	7·42	41.7156
5549	7·0*	15 46·90	−0·01	4·0433	·039	−0·003	43 55 57·9	−0·1	13·166	·45	−0·04	9	7·06	43.7030
5550	8·8	15 50·47	0·00	4·3075	·051	−0·005	50 46 55·8	0·0	13·162	·48	+0·05	3	9·43	50.7913
5551	7·0	15 15 53·46	0·00	+4·3342	+0·052	−0·006	−51 22 37·2	0·0	−13·159	+0·48	−0·02	3	9·41	51.7919
5552	9·0	16 11·17	0·00	4·2650	·049	−0·007	49 45 28·1	0·0	13·140	·47	0·00	3	9·45	49.8031
5553	9·1	16 11·32	...	4·0271	·038	...	43 24 22·8	...	13·140	·45	...	5	7·43	43.7037
5554	9·2	16 22·25	0·00	4·0670	·040	−0·002	44 33 42·0	+0·1	13·127	·45	+0·03	3	8·32	44.7349
5555	8·5	16 28·68	0·00	4·1222	·042	−0·003	46 5 48·8	−0·1	13·120	·46	−0·05	3	8·43	46.7379
5556	7·3	15 16 32·04	−0·01	+4·1109	+0·042	−0·004	−45 46 55·3	0·0	−13·117	+0·46	0·00	3	8·40	45.7385
5557	9·3	16 37·32	0·00	4·2348	·047	−0·005	48 59 17·5	+0·1	13·111	·47	+0·11	3	9·43	48.7427
5558	9·0*	16 38·88	−0·08	3·9646	·035	−0·022	41 25 33·0	−0·4	13·109	·44	−0·12	5	6·49	41.7168
5559	8·8	16 44·13	0·00	4·3573	·053	+0·001	51 47 28·6	0·0	13·103	·49	−0·04	3	9·41	51.7949
5560	9·3†	17 22·79	...	3·9944	·036	...	42 17 18·7	...	13·061	·45	...	5	6·75	42.7031

No.	Mag.	Mean R A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900:0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5561	7·6	15 17 32·96	0·00	+4·2080	+0·046	+0·002	−48 13 32·0	0·0	−13·049	+0·47	−0·02	3	9·43	48.7440
5562	9·5	17 53·30	−0·02	4·0185	·037	−0·005	42 58 5·0	0·0	13·027	·45	−0·01	5	6·87	42.7035
5563	9·6	17 54·65	...	4·2918	·050	...	50 12 13·8	...	13·025	·48	...	3	9·44	50.7980
5564	8·0*	18 8·01	−0·02	4·0473	·038	−0·005	43 47 56·3	−0·1	13·010	·45	−0·04	6	6·82	43.7060
5565	9·0*	18 17·08	−0·01	3·9335	·034	−0·002	40 14 30·4	−0·1	13·000	·44	−0·04	4	7·20	40.6965
5566	8·3	15 18 19·37	0·00	+4·2310	+0·046	−0·004	−48 42 43·6	0·0	−12·998	+0·47	−0·02	3	9·46	48.7458
5567	8·8	18 22·53	...	4·2630	·048	...	49 28 46·7	...	12·994	·48	...	3	9·44	49.8071
5568	9·0	18 37·21	...	4·2021	·045	...	47 57 49·7	...	12·978	·47	...	3	8·34	47.7117
5569	8·1	18 41·01	−0·02	4·1552	·043	−0·011	46 44 39·5	−0·1	12·974	·47	−0·09	3	8·43	46.7414
5570	8·5	18 46·25	−0·02	3·9768	·035	−0·006	41 35 15·7	+0·1	12·968	·45	+0·04	6	6·84	41.7184
5571	8·9	15 19 19·76	−0·01	+4·1982	+0·045	−0·004	−47 47 20·8	0·0	−12·931	+0·47	+0·03	3	8·45	47.7124
5572	9·5*	19 21·89	−0·01	4·0341	·037	−0·002	43 16 34·0	+0·2	12·928	·46	+0·05	5	6·71	43.7074
5573	8·0*	19 33·11	−0·03	4·0092	·036	−0·011	42 30 32·0	−0·2	12·916	·45	−0·07	4	6·96	42.7044
5574	8·8	19 39·91	0·00	4·3616	·052	−0·005	51 34 57·0	0·0	12·908	·49	+0·02	3	9·41	51.8022
5575	8·9	19 41·24	0·00	4·0770	·039	+0·001	44 29 42·0	+0·1	12·907	·46	+0·06	3	8·34	44.7389
5576	8·5	15 19 44·38	−0·01	+4·1717	+0·043	−0·004	−47 4 8·3	−0·1	−12·903	+0·47	−0·04	3	8·42	46.7428
5577	8·0	19 49·35	0·00	4·1011	·040	0·000	45 9 38·9	0·0	12·898	·46	−0·02	3	8·43	45.7410
5578	9·0*	19 56·21	−0·03	3·9805	·035	−0·008	41 34 53·6	0·0	12·890	·45	+0·01	5	6·74	41.7201
5579	9·1	19 59·14	−0·02	3·9477	·034	−0·009	40 31 56·7	−0·1	12·887	·45	−0·03	5	7·42	40.6982
5580	8·5*	20 10·26	−0·02	4·0532	·038	−0·008	43 45 21·2	−0·2	12·874	·46	−0·06	5	7·25	43.7081
5581	9·2	15 20 14·32	−0·02	+4·1203	+0·041	−0·015	−45 38 43·6	0·0	−12·870	+0·47	0·00	3	8·45	45.7415
5582	8·5*	20 45·35	−0·04	4·0209	·036	−0·011	42 44 12·6	+0·1	12·835	·46	+0·03	5	6·68	42.7055
5583	8·6	20 53·68	0·00	4·2865	·048	−0·008	49 46 8·8	0·0	12·826	·49	−0·01	3	9·41	49.8117
5584	9·0*	20 54·69	−0·03	3·9702	·034	−0·009	41 9 14·6	0·0	12·825	·45	0·00	5	6·70	41.7212
5585	9·0	21 14·46	0·00	4·3331	·050	0·000	50 47 48·1	0·0	12·803	·49	+0·02	3	9·43	50.8051
5586	9·3	15 21 23·53	...	+4·2518	+0·046	...	−48 53 56·1	...	−12·792	+0·48	...	3	9·45	48.7510
5587	9·0	21 41·65	−0·01	4·1688	·042	−0·004	46 47 20·9	0·0	12·772	·47	−0·02	3	8·34	46.7450
5588	9·1	21 42·38	0·00	4·1892	·043	−0·003	47 18 51·7	0·0	12·771	·48	−0·03	3	8·43	47.7145
5589	7·9	22 13·91	−0·01	4·3488	·051	−0·014	51 2 28·8	0·0	12·736	·49	−0·07	3	9·41	50.8086
5590	8·8	22 20·47	...	4·3769	·052	...	51 38 27·3	...	12·728	·50	...	3	9·43	51.8092
5591	8·6	15 22 36·54	−0·01	+4·0772	+0·038	−0·005	−44 11 48·8	+0·1	−12·710	+0·46	+0·04	3	8·36	44.7415
5592	9·0*	22 42·97	−0·01	4·0636	·038	−0·004	43 47 34·6	−0·4	12·703	·46	−0·11	5	6·51	43.7102
5593	8·0*	22 55·59	−0·02	3·9459	·033	−0·005	40 10 23·1	−0·1	12·689	·45	−0·03	5	6·55	40.7009
5594	9·3	22 58·88	...	4·2268	·045	...	48 7 37·7	...	12·685	·48	...	3	9·45	48.7541
5595	8·8	22 59·57	0·00	4·1032	·039	+0·001	44 53 22·2	−0·1	12·684	·47	−0·09	3	8·41	44.7420
5596	9·4	15 23 1·69	0·00	+4·1381	+0·041	−0·003	−45 50 19·2	0·0	−12·682	+0·47	+0·01	3	8·42	45.7439
5597	9·8	23 23·90	...	4·0291	·036	...	42 42 38·3	...	12·657	·46	...	5	7·21	42.7074
5598	8·7	23 40·06	−0·02	4·1524	·041	−0·010	46 9 17·4	+0·1	12·638	·47	+0·03	3	8·33	46.7473
5599	9·6	23 41·39	0·00	4·2980	·048	−0·008	49 45 22·3	+0·1	12·637	·49	+0·13	3	9·42	49.8168
5600	8·7	23 45·73	0·00	4·3525	·050	−0·002	50 58 13·4	0·0	12·632	·50	+0·02	3	9·42	50.8135

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5601	8·8	15 23 54·91	0·00	+4·2736	+0·047	0·000	−49 9 40·0	0·0	−12·622	+0·49	+0·01	3	9·45	49.8174
5602	7·7*	23 55·17	−0·01	4·1135	·039	−0·004	45 4 47·1	0·0	12·621	·47	−0·02	3	8·39	44.7428
5603	7·7†	24 4·76	...	3·9854	·034	...	41 18 35·1	...	12·610	·45	...	5	6·51	41.7236
5604	8·8	24 28·07	+0·01	4·1821	·042	+0·004	46 50 58·5	0·0	12·584	·48	+0·02	3	8·38	46.7486
5605	8·5*	24 41·67	−0·03	4·0115	·035	−0·008	42 2 58·4	−0·1	12·569	·46	−0·02	5	6·53	41.7240
5606	9·2	15 24 50·19	−0·02	+4·2279	+0·044	−0·012	−47 58 8·2	−0·1	−12·559	+0·49	−0·08	3	8·34	47.7189
5607	9·4	24 59·34	0·00	4·2549	·045	−0·008	48 36 31·6	0·0	12·549	·49	−0·08	3	9·40	48.7584
5608	7·8	25 7·82	0·00	4·3290	·049	−0·007	50 18 57·8	0·0	12·539	·50	−0·01	3	9·43	50.8167
5609	8·8	25 8·22	−0·01	4·0558	·037	−0·004	43 19 23·1	0·0	12·538	·47	0·00	5	7·39	43.7127
5610	7·3	25 21·28	0·00	4·1059	·039	−0·002	44 43 34·1	0·0	12·524	·47	0·00	3	8·40	44.7444
5611	8·0	15 25 25·19	0·00	+4·0825	+0·038	−0·002	−44 3 55·0	0·0	−12·519	+0·47	+0·01	3	8·41	43.7128
5612	9·4	25 47·25	...	4·0360	·036	...	42 40 35·6	...	12·494	·46	...	5	7·42	42.7083
5613	8·5*	25 48·25	−0·03	3·9881	·034	−0·010	41 13 19·0	−0·1	12·493	·46	−0·04	5	6·52	41.7244
5614	9·2	25 49·24	−0·01	4·1484	·040	−0·009	45 49 59·4	0·0	12·492	·48	0·00	3	8·42	45.7458
5615	8·5	26 31·14	−0·01	4·2037	·042	−0·005	47 11 48·8	−0·1	12·444	·49	−0·08	3	8·38	47.7207
5616	8·5	15 26 35·16	0·00	+4·1858	+0·042	−0·001	−46 44 8·6	−0·1	−12·439	+0·48	−0·04	3	8·45	46.7510
5617	8·7	26 38·57	0·00	4·3106	·047	−0·008	49 45 3·1	0·0	12·435	·50	−0·04	3	9·40	49.8254
5618	7·0*	26 46·56	0·00	3·9570	·032	+0·001	40 9 0·9	−0·2	12·426	·46	−0·07	18	7·07	40.7030
5619	8·8	26 51·08	−0·01	4·0768	·037	−0·002	43 45 25·3	−0·1	12·421	·47	−0·05	5	7·23	43.7139
5620	8·9	26 52·25	0·00	4·2647	·045	−0·002	48 39 29·1	0·0	12·420	·49	−0·01	3	9·43	48.7616
5621	8·5*	15 27 0·81	−0·03	+4·0445	+0·036	−0·011	−42 48 28·5	−0·1	−12·410	+0·47	−0·04	5	7·04	42.7087
5622	9·8	27 50·21	−0·01	4·4100	·051	−0·013	51 48 12·8	0·0	12·353	·51	+0·03	3	9·40	51.8231
5623	9·1	27 52·38	0·00	4·1648	·040	0·000	46 3 56·2	+0·1	12·351	·48	+0·04	3	8·32	45.7481
5624	8·5	27 56·02	0·00	4·1366	·039	−0·001	45 18 35·2	−0·1	12·347	·48	−0·04	3	8·41	45.7483
5625	7·5	28 7·08	0·00	4·2986	·046	−0·006	49 20 1·4	0·0	12·334	·50	0·00	3	9·43	49.8285
5626	9·0	15 28 12·79	0·00	+4·3859	+0·050	−0·007	−51 15 37·2	0·0	−12·327	+0·51	−0·05	3	9·45	51.8241
5627	9·3	28 13·88	−0·02	4·2390	·043	−0·013	47 54 21·0	+0·1	12·326	·49	+0·06	3	8·45	47.7231
5628	9·0*	28 33·17	−0·04	4·0390	·035	−0·012	42 29 33·7	+0·1	12·304	·47	+0·04	5	6·53	42.7094
5629	9·3	28 42·68	−0·01	4·2000	·042	−0·004	46 53 16·3	0·0	12·293	·49	−0·02	3	8·35	46.7536
5630	8·0	28 46·59	−0·01	3·9957	·033	−0·003	41 10 5·5	−0·5	12·289	·47	−0·14	5	6·70	41.7262
5631*	5·0*	15 28 59·97	0·00	+4·1152	+0·038	−0·003	−44 37 24·3	−0·1	−12·273	+0·48	−0·05	3	8·39	44.7483
5632	8·3	29 4·33	...	4·2620	·044	...	48 22 46·0	...	12·268	·50	...	3	9·40	48.7656
5633	8·7	29 4·95	0·00	4·0162	·034	0·000	41 45 50·8	+0·3	12·267	·47	+0·11	5	7·26	41.7264
5634	9·0	29 6·37	−0·01	4·0319	·035	−0·004	42 13 51·6	0·0	12·266	·47	+0·01	5	7·46	42.7098
5635	8·0*	29 30·86	−0·01	4·0692	·036	−0·005	43 16 44·3	−0·1	12·237	·48	−0·04	5	7·08	43.7169
5636	7·5	15 29 36·53	−0·01	+4·0833	+0·037	−0·003	−43 40 36·3	0·0	−12·231	+0·48	+0·01	5	7·08	43.7170
5637	9·1	30 0·14	0·00	4·3538	·048	+0·001	50 23 45·2	0·0	12·204	·51	+0·08	3	9·43	50.8313
5638	9·5	30 2·38	...	4·1587	·040	...	45 41 34·2	...	12·201	·49	...	3	8·32	45.7508
5639	9·3*	30 2·56	−0·02	4·0803	·036	−0·007	43 33 7·6	−0·3	12·201	·48	−0·09	5	6·89	43.7173
5640	7·2*	30 3·89	...	3·9855	·033	...	40 43 40·1	...	12·199	·47	...	6	5·51	40.7052

5631. $5^m·1$, $8^m·0$ 2″·4 359° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5641	9·0	15 30 8·90	−0·01	+4·1047	+0·037	−0·004	−44 13 26·8	−0·1	−12·193	+0·48	−0·05	3	8·41	44.7492
5642	7·7	30 22·68	...	3·9730	·032	...	40 18 37·6	...	12·178	·47	...	6	5·52	40.7055
5643	8·4†	30 23·98	...	4·0118	·034	...	41 30 7·9	...	12·176	·47	...	5	5·55	41.7272
5644	7·7*	30 30·65	...	3·9855	·033	...	40 41 13·0	...	12·168	·47	...	6	5·55	40.7058
5645	9·7	30 53·35	...	4·2398	·043	...	47 40 19·4	...	12·142	·50	...	3	8·34	47.7257
5646	8·5*	15 31 11·45	−0·01	+4·0590	+0·035	−0·003	−42 49 35·9	−0·1	−12·121	+0·48	−0·04	5	6·53	42.7109
5647	4·7*	31 18·88	−0·05	4·0393	·034	−0·016	42 14 21·2	+0·1	12·112	·47	+0·05	5	7·07	42.7111
5648	9·5	31 23·13	...	4·3089	·045	...	49 15 29·2	...	12·107	·51	...	3	9·43	49.8363
5649	7·4	31 44·43	0·00	4·1529	·039	+0·001	45 22 46·1	0·0	12·083	·49	−0·03	3	8·40	45.7526
5650	8·5	31 57·26	0·00	4·2695	·044	−0·006	48 17 7·2	0·0	12·068	·50	−0·07	3	9·40	48.7733
5651	9·5	15 32 2·41	...	+4·1806	+0·040	...	−46 4 32·9	...	−12·062	+0·49	...	3	8·41	45.7529
5652	9·1	32 5·47	−0·01	4·2126	·041	−0·005	46 53 2·8	0·0	12·058	·49	−0·02	5	8·39	46.7575
5653	8·5	32 6·85	0·00	4·3792	·048	−0·005	50 44 59·7	0·0	12·056	·51	−0·01	3	9·47	50.8378
5654	9·3	32 30·91	0·00	4·4227	·050	+0·003	51 37 58·0	0·0	12·028	·52	+0·02	3	9·46	51.8348
5655	8·9	32 36·77	0·00	4·2915	·044	−0·001	48 44 23·4	+0·1	12·021	·50	+0·10	3	9·44	48.7749
5656	9·0	15 32 43·93	0·00	+4·2256	+0·041	−0·002	−47 8 56·9	0·0	−12·013	+0·50	−0·02	3	8·43	47.7280
5657	8·8	32 52·25	−0·01	4·3544	·047	−0·009	50 8 38·3	+0·1	12·004	·51	+0·09	3	9·40	50.8400
5658	8·5*	32 53·00	−0·02	4·0351	·034	−0·006	41 58 3·4	+0·1	12·003	·48	+0·02	5	6·51	41.7289
5659	7·7*	32 56·18	...	4·0117	·033	...	41 15 40·8	...	11·999	·47	...	6	5·59	41.7290
5660	8·0	33 2·51	−0·01	4·0811	·036	−0·003	43 17 28·9	−0·1	11·992	·48	−0·03	5	7·42	43.7199
5661	7·9	15 33 14·09	0·00	+4·1325	+0·038	−0·001	−44 41 35·9	0·0	−11·978	+0·49	+0·01	3	8·40	44.7518
5662	8·5	33 31·20	−0·01	4·1053	·036	−0·003	43 55 16·3	−0·1	11·958	·49	−0·03	5	7·11	43.7206
5663	8·5	33 45·61	−0·02	4·0625	·035	−0·008	42 41 14·6	0·0	11·941	·48	0·00	5	7·43	42.7134
5664	8·0*	33 49·67	...	4·0263	·033	...	41 37 8·2	...	11·936	·47	...	5	5·52	41.7297
5665	8·0*	34 0·25	−0·03	4·0456	·034	−0·010	42 10 22·2	−0·1	11·924	·48	−0·02	5	6·52	42.7135
5666	5·2*	15 34 18·79	−0·03	+4·1228	+0·037	−0·020	−44 19 47·2	−0·4	−11·902	+0·49	−0·26	3	8·32	44.7529
5667	9·3	34 25·78	0·00	4·2937	·044	+0·006	48 37 30·0	0·0	11·894	·51	+0·08	3	9·40	48.7792
5668	9·4	34 49·15	...	4·1684	·038	...	45 30 0·2	...	11·867	·49	...	3	8·42	45.7561
5669	8·5	34 53·93	0·00	4·2674	·042	−0·003	47 57 47·0	0·0	11·861	·51	+0·01	3	8·45	47.7308
5670	8·8	35 3·23	0·00	4·3423	·046	0·000	49 40 33·5	0·0	11·850	·52	+0·08	3	9·43	49.8451
5671	7·0	15 35 22·84	0 00	+4·3210	+0·045	−0·008	−49 10 3·0	0·0	−11·827	+0·51	−0·04	3	9·40	49.8461
5672	8·8	35 29·21	−0·01	4·2184	·040	−0·006	46 42 52·0	0·0	11·820	·50	0·00	3	8·32	46.7626
5673	9·5*	35 35·38	−0·10	3·9945	·032	−0·028	40 29 48·4	−0·4	11·812	·47	−0·11	5	6·49	40.7069
5674	8·0	35 48·68	−0·01	4·1402	·037	−0·006	44 39 42·7	0·0	11·797	·49	+0·03	3	8·42	44.7547
5675	8·0	35 53·71	0·00	4·3973	·048	−0·004	50 47 35·1	0·0	11·791	·52	+0·02	3	9·44	50.8483
5676	9·0*	15 36 8·86	−0·05	+4·0221	+0·033	−0·014	−41 16 52·8	+0·3	−11·773	+0·48	+0·10	5	6·56	41.7310
5677	9·6	36 9·60	−0·01	4·2791	·043	−0·012	48 7 33·0	−0·1	11·772	·51	−0·13	3	9·46	48.7843
5678	7·4	36 13·09	0·00	4·4233	·049	−0·004	51 18 33·6	0·0	11·768	·53	0·00	3	9·40	51.8453
5679	9·3	36 15·85	−0·01	4·1611	·038	−0·007	45 10 35·5	−0·1	11·765	·50	−0·04	3	8·42	45.7579
5680	9·0	36 18·68	−0·01	4·0765	·034	−0·004	42 51 17·1	−0·1	11·761	·49	−0·05	5	7·27	42.7150

No.	Mag.	Mean R.A 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5681	9·5	15 36 22·58	...	+4·0623	+0·034	...	−42 26 33·0	...	−11·757	+0·48	...	5	7·45	42.7151
5682	8·8	36 50·21	0·00	4·3147	·044	+0·005	48 53 37·7	0·0	11·724	·52	+0·04	5	9·46	48.7853
5683	9·1	37 6·18	−0·01	4·2025	·039	−0·004	46 10 10·2	+0·1	11·705	·50	+0·03	3	8·33	46.7644
5684	8·5*	37 11·34	...	4·0390	·033	...	41 41 32·6	...	11·699	·48	...	6	5·53	41.7318
5685	7·5*	37 17·82	−0·01	4·1132	·036	−0·003	43 47 45·3	−0·2	11·691	·49	−0·07	5	6·53	43.7239
5686	9·0	15 37 22·94	+0·01	+4·0960	+0·035	+0·005	−43 18 35·7	−0·1	−11·685	+0·49	−0·04	5	7·42	43.7241
5687	8·7	37 29·91	0·00	4·2404	·040	−0·003	47 4 39·0	−0·1	11·677	·51	−0·05	3	8·41	46.7651
5688	8·6	37 43·15	−0·01	4·1317	·036	−0·005	44 15 39·8	0·0	11·661	·49	+0·02	3	8·45	44.7567
5689	8·7	37 55·95	−0·02	4·2738	·042	−0·010	47 50 36·3	−0·2	11·646	·51	−0·09	3	8·33	47.7348
5690	8·5	37 56·98	0·00	4·1987	·039	0·000	45 55 49·5	+0·1	11·645	·50	+0·07	3	8·46	45.7590
5691	9·2	15 38 2·74	0·00	+4·3461	+0·045	−0·003	−49 29 35·9	+0·1	−11·638	+0·52	+0·10	3	9·40	49.8525
5692	8·0*	38 56·31	−0·01	4·0742	·034	−0·004	42 33 11·8	+0·2	11·574	·49	+0·06	5	6·52	42.7169
5693	7·5	39 18·66	0·00	4·4621	·049	−0·003	51 49 58·1	0·0	11·548	·54	−0·04	5	9·48	51.8542
5694	8·0	39 25·80	0·00	4·3706	·045	−0·008	49 54 36·5	0·0	11·539	·53	+0·02	3	9·43	49.8552
5695	8·5†	39 25·84	...	4·0124	·032	...	40 41 56·5	...	11·539	·48	...	6	5·53	40.7088
5696	8·0	15 39 25 90	−0·02	+4·1192	+0·035	−0·006	−43 46 7·3	−0·1	−11·539	+0·50	−0·04	5	6·94	43.7273
5697	7·2	39 27·82	0·00	4·3044	·042	−0·007	48 25 23·3	0·0	11·537	·52	−0·02	3	9·41	48.7928
5698	9·0	39 34·48	−0·01	4·1637	·037	−0·006	44 56 55·8	−0·1	11·529	·50	−0·04	5	8·39	44.7588
5699	8·5	39 39·73	0·00	4·2377	·040	−0·002	46 49 6·9	0·0	11·523	·51	+0·01	3	8·38	46.7684
5700	8·8	39 41·52	−0·01	4·4138	·047	−0·019	50 48 27·8	0·0	11·520	·53	+0·05	3	9·45	50.8579
5701	8·3	15 39 45·33	+0·02	+4·0368	+0·032	+0·006	−41 24 2·0	−0·1	−11·516	+0·49	−0·03	5	7·46	41.7333
5702	8·5	39 53·32	−0·05	4·0899	·034	−0·018	42 55 8·5	−0·6	11·506	·49	−0·19	11	7·06	42.7178
5703	9·1	39 56·35	0·00	4·1880	·038	0·000	45 32 55·9	−0·1	11·503	·51	−0·06	3	8·44	45.7618
5704	8·7	40 8·91	−0·01	4·4470	·048	−0·015	51 27 17·3	0·0	11·488	·54	+0·04	3	9·40	51.8567
5705	9·0*	40 12·32	...	4·0067	·031	...	40 27 49·1	...	11·484	·48	...	6	5·54	40.7091
5706	7·5*	15 40 25·69	−0·01	+4·0556	+0·033	−0·002	−41 53 20·0	−0·5	−11·468	+0·49	−0·15	5	6·74	41.7337
5707	7·1	40 44·88	0·00	4·3930	·046	−0·007	50 16 44·7	0·0	11·445	·53	−0·03	3	9·43	50.8616
5708	9·0	40 50·76	...	4·2716	·041	...	47 32 7·8	...	11·438	·52	...	3	8·34	47.7384
5709	8·8	40 58·35	0·00	4·1429	·036	0·000	44 16 37·5	0·0	11·429	·50	−0·03	3	8·40	44.7602
5710	7·5	41 3·64	−0·01	4·3561	·044	−0·012	49 27 7·3	0·0	11·422	·53	−0·06	3	9·44	49.8591
5711	8·0*	15 41 27·17	−0·01	+4·1030	+0·034	−0·003	−43 8 55·8	−0·2	−11·394	+0·50	−0·05	5	6·52	43.7293
5712	8·5	41 32·50	−0·01	4·0039	·031	−0·004	40 15 37·0	−0·1	11·388	·48	−0·04	5	6·94	40.7099
5713	8·8	41 35·91	−0·03	4·0735	·033	−0·011	42 18 27·8	+0·1	11·383	·49	+0·05	5	7·46	42.7190
5714	8·3	41 48·95	−0·01	4·3146	·042	−0·011	48 27 16·1	0·0	11·368	·52	−0·05	3	9·43	48.7979
5715	9·5	41 58·20	...	4·1279	·035	...	43 47 8·3	...	11·357	·50	...	5	7·30	43.7301
5716	8·9	15 41 58·47	−0·03	+4·2547	+0·040	−0·016	−47 1 58·6	+0·1	−11·356	+0·52	+0·04	3	8·28	46.7719
5717	8·0	42 1·57	−0·02	4·2421	·039	−0·012	46 43 18·2	−0·2	11·353	·51	−0·11	3	8·41	46.7720
5718	8·0*	42 28·50	−0·01	4·0476	·032	−0·004	41 29 0·1	−0·2	11·320	·49	−0·07	5	6·74	41.7347
5719	9·3	42 36·15	...	4·2061	·038	...	45 46 44·5	...	11·311	·51	...	3	8·45	45.7662
5720	8·7	42 40·65	0·00	4·2217	·038	−0·001	46 9 47·6	0·0	11·306	·51	+0·02	3	8·46	46.7728

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		h m s	s	s	s	s	° ′ ″	′	″	″	″			°
5721	9·2	15 42 45·59	...	+4·3808	+ ·044	...	−49 50 41·2	...	−11·300	+0·53	...	3	9·43	49.8629
5722	9·0	43 7·54	−0·01	4·3531	·043	−0·013	49 12 34·1	0·0	11·273	·53	+0·08	3	9·44	49.8635
5723	7·5	43 15·89	+0·01	4·1815	·036	+0·003	45 5 41·4	−0·1	11·263	·51	−0·04	3	8·29	45.7665
5724	9·2	43 20·28	0·00	4·1710	·036	−0·001	44 48 53·9	−0·1	11·258	·51	−0·05	3	8·46	44.7622
5725	9·5	43 22·73	−0·01	4·3397	·042	−0·011	48 53 24·7	0·0	11·255	·53	0·00	3	9·44	48.8007
5726	8·8	15 44 11·50	−0·03	+4·3016	+0·041	−0·015	−47 57 26·7	+0·6	−11·196	+0·52	+0·35	3	8·29	47.7428
5727	8·8*	44 22·99	−0·04	4·0124	·030	−0·011	40 16 47·7	0·0	11·182	·49	+0·01	5	6·53	40.7111
5728	7·3	44 25·42	−0·02	4·2519	·039	−0·013	46 45 23·0	0·0	11·179	·52	−0·03	3	8·43	46.7752
5729	7·7	44 25·87	0·00	4·4578	·047	−0·004	51 18 58·2	0·0	11·179	·54	−0·01	3	9·42	51.8669
5730	8·9	44 32·79	0·00	4·1553	·035	−0·001	44 18 2·5	0·0	11·170	·51	−0·02	3	8·46	44.7637
5731	8·1	15 44 38·60	−0·01	+4·0718	+0·032	−0·004	−41 59 50·5	0·0	−11·163	+0·50	0·00	10	7·21	41.7365
5732	8·0	44 40·76	0·00	4·4354	·046	−0·001	50 50 12·3	0·0	11·161	·54	+0·03	3	9·45	50.8713
5733	9·0	44 43·13	−0·01	4·0970	·033	−0·004	42 42 8·5	+0·1	11·158	·50	+0·02	5	7·45	42.7211
5734	8·0*	45 19·32	−0·04	4·0839	·033	−0·013	42 17 21·0	−0·1	11·114	·50	−0·03	5	6·95	42.7216
5735	7·3	45 27·75	0·00	4·4134	·045	−0·001	50 18 52·5	0·0	11·104	·54	0·00	3	9·45	50.8728
5736	8·2	15 45 28·55	0·00	+4·3313	+0·041	+0·001	−48 31 37·5	0·0	−11·103	+0·53	−0·02	3	9·47	48.8040
5737	9·0	45 29·88	0·00	4·1226	·034	−0·001	43 20 40·5	−0·1	11·101	·51	−0·02	5	7·45	43.7343
5738	8·5	45 32·24	0·00	4·3941	·044	+0·002	49 54 7·0	0·0	11·098	·54	+0·06	5	9·45	49.8686
5739	9·0*	45 55·12	−0·02	4·1432	·034	−0·007	43 51 58·4	−0·1	11·071	·51	−0·03	5	6·71	43.7350
5740	9·1	46 3·80	0·00	4·2233	·037	−0·002	45 55 13·0	0·0	11·060	·52	+0·01	3	8·29	45.7702
5741	9·3	15 46 10·62	−0·01	+4·0614	+0·032	−0·002	−41 34 12·0	−0·1	−11·052	+0·50	−0·03	5	6·75	41.7372
5742	8·8	46 22·76	−0·01	4·2765	·039	−0·009	47 11 6·9	−0·1	11·037	·52	−0·07	3	8·44	47.7455
5743	8·0	46 27·07	0·00	4·4782	·047	−0·004	51 33 40·1	0·0	11·032	·55	−0·04	3	9·44	51.8706
5744	9·1	46 38·81	0·00	4·3261	·041	−0·005	48 18 47·4	0·0	11·017	·53	−0·06	3	9·44	48.8052
5745	9·3	46 55·42	−0·03	4·1099	·033	−0·011	42 52 47·6	0·0	10·997	·51	−0·01	5	7·26	42.7231
5746	9·4	15 47 16·42	0·00	+4·1793	+0·035	−0·002	−44 42 14·2	+0·1	−10·972	+0·51	+0·04	3	8·29	44.7666
5747	9·5	47 33·03	...	4·0602	·031	...	41 25 30·0	...	10·951	·50	...	5	6·92	41.7380
5748	8·0	47 38·20	0·00	4·3652	·042	+0·003	49 6 19·5	0·0	10·945	·54	−0·04	3	9·42	49.8736
5749	8·5	47 48·53	0·00	4·1991	·036	−0·001	45 9 58·5	0·0	10·932	·52	−0·01	3	8·41	45.7717
5750	9·9	48 2·32	...	4·3280	·040	...	48 14 42·1	...	10·915	·53	...	3	9·45	48.8070
5751	9·3	15 48 14·08	...	+4·2146	+0·036	...	−45 31 27·7	...	−10·901	+0·52	...	3	8·29	45.7725
5752	8·1	48 17·10	0·00	4·4491	·045	−0·005	50 49 49·7	0·0	10·897	·55	+0·01	3	9·47	50.8788
5753	7·3	48 24·76	−0·01	4·1647	·034	−0·006	44 13 48·2	−0·1	10·888	·51	−0·07	3	8·43	44.7679
5754	7·0*	48 26·22	−0·02	4·1223	·033	−0·007	43 5 48·3	−0·1	10·886	·51	−0·04	5	6·71	43.7374
5755	8·5	48 35·74	0·00	4·0702	·031	+0·001	41 37 46·5	−0·1	10·875	·50	−0·03	5	7·10	41.7384
5756	8·8	15 48 47·62	−0·01	+4·2485	+0·037	−0·006	−46 18 59·9	0·0	−10·860	+0·53	+0·03	3	8·43	46.7785
5757	9·0	49 11·75	0·00	4·3822	·042	−0·005	49 21 2·0	0·0	10·830	·54	−0·03	3	9·42	49.8767
5758	7·5	49 20·84	−0·02	4·0303	·030	−0·008	40 24 38·0	−0·1	10·819	·50	−0·03	5	6·92	40.7141
5759	8·5	49 24·92	−0·01	4·2580	·037	−0·007	46 29 48·1	0·0	10·814	·53	0·00	3	8·30	46.7788
5760	9·0	49 25·88	−0·02	4·0922	·032	−0·006	42 11 12·2	−0·2	10·813	·51	−0·06	5	7·09	42.7244

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5761	8·5	15 49 37·35	0·00	+4·4738	+0·046	−0·008	−51 13 24·1	0·0	−10·799	+0·55	−0·01	3	9·45	51.8758
5762	9·2	49 37·70	−0·02	4·2130	·036	−0·011	45 22 16·6	−0·1	10·799	·52	−0·05	3	8·44	45.7733
5763	9·2	49 39·98	...	4·1822	·034	...	44 35 8·3	...	10·796	·52	...	3	8·46	44.7688
5764	9·5	49 47·06	−0·03	4·1296	·033	−0·010	43 11 5·1	+0·1	10·787	·51	+0·03	5	7·10	43.7388
5765	6·8	49 51·03	−0·02	4·3178	·039	−0·015	47 52 2·1	−0·2	10·782	·54	−0·10	3	8·46	47.7494
5766	8·4	15 50 13·07	−0·02	+4·0448	+0·030	−0·007	−40 46 13·6	0·0	−10·755	+0·50	−0·01	5	6·92	40.7149
5767	9·3	50 15·38	−0·13	4·2965	·039	−0·083	47 20 34·7	−0·2	10·752	·53	−0·11	3	8·38	47.7499
5768	8·5*	50 34·46	−0·02	4·0714	·031	−0·008	41 30 19·3	−0·2	10·729	·51	−0·08	5	6·91	41.7396
5769	8·6	50 41·83	−0·01	4·4368	·044	−0·010	50 23 4·4	0·0	10·720	·55	0·00	3	9·42	50.8824
5770	8·0	50 51·39	−0·08	4·1013	·032	−0·026	42 19 42·3	−0·7	10·708	·51	−0·23	5	6·91	42.7253
5771	7·8	15 51 26·91	0·00	+4·1742	+0·034	0·000	−44 14 12·0	0·0	−10·664	+0·52	−0·02	3	8·34	44.7700
5772	7·0*	51 26·99	−0·03	4·1572	·033	−0·008	43 47 26·7	−0·2	10·664	·52	−0·06	5	6·74	43.7400
5773	8·0	51 31·31	−0·01	4·0692	·030	−0·005	41 22 12·7	−0·1	10·659	·51	−0·03	5	7·46	41.7402
5774	8·9	51 33·53	0·00	4·3665	·041	0·000	48 49 23·8	0·0	10·656	·54	0·00	3	9·44	48.8110
5775	8·0	51 39·16	−0·01	4·1081	·032	−0·003	42 27 11·6	−0·1	10·649	·51	−0·03	5	6·75	42.7255
5776	8·7	15 51 58·40	0·00	+4·3796	+0·041	−0·005	−49 4 40·4	0·0	−10·625	+0·55	−0·02	3	9·43	49.8829
5777	9·4	52 31·42	−0·02	4·2862	·037	−0·014	46 55 26·4	−0·2	10·584	·54	−0·12	3	8·40	46.7800
5778	9·5	52 34·85	−0·01	4·1415	·032	−0·005	43 17 8·1	0·0	10·580	·52	−0·01	5	7·45	43.7409
5779	5·5*	52 41·49	−0·02	4·0753	·030	−0·006	41 27 26·6	−0·1	10·572	·51	−0·02	5	6·52	41.7405
5780	9·8	52 43·06	...	4·4235	·042	...	49 57 13·9	...	10·570	·55	...	3	9·46	49.8849
5781	8·0	15 52 48·17	−0·01	+4·2490	+0·036	−0·004	−46 0 43·6	−0·1	−10·564	+0·53	−0·09	5	8·35	45.7754
5782	8·7	52 53·25	−0·01	4·5097	·046	−0·012	51 40 43·4	0·0	10·557	·56	−0·08	3	9·45	51.8837
5783	8·3	52 56·93	−0·01	4·4671	·044	−0·010	50 49 58·0	0·0	10·553	·56	−0·02	3	9·46	50.8867
5784	8·8	53 6·37	−0·01	4·1975	·034	−0·008	44 42 27·2	0·0	10·541	·52	+0·01	3	8·45	44.7717
5785	7·0*	53 12·46	−0·01	4·0390	·029	−0·004	40 22 2·3	−0·1	10·533	·51	−0·04	5	6·57	40.7164
5786	7·5	15 53 21·09	−0·03	+4·2163	+0·035	−0·019	−45 9 50·6	−0·2	−10·523	+0·53	−0·10	3	8·48	45.7756
5787	8·2	53 28·96	0·00	4·2361	·035	+0·002	45 38 38·8	0·0	10·513	·53	+0·01	3	8·45	45.7758
5788	8·8	53 29·89	−0·02	4·3187	·038	−0·015	47 36 15·1	−0·3	10·512	·54	−0·18	3	8·42	47.7517
5789	9·5*	53 33·89	−0·03	4·1166	·031	−0·010	42 32 10·8	+0·1	10·507	·52	+0·02	5	6·93	42.7260
5790	8·4	54 32·89	0·00	4·4170	·042	−0·004	49 40 47·1	0·0	10·433	·56	+0·02	3	9·42	49.8878
5791	9·0*	15 54 40·11	−0·01	+4·1698	+0·033	−0·003	−43 52 23·3	0·0	−10·425	+0·52	−0·01	5	6·53	43.7415
5792	8·8	54 48·65	−0·02	4·2809	·036	−0·009	46 37 16·1	0·0	10·414	·54	0·00	3	8·29	46.7812
5793	7·0*	55 17·09	−0·01	4·1169	·031	−0·004	42 24 51·3	−0·6	10·378	·52	−0·17	5	6·56	42.7265
5794	9·3	55 21·43	−0·04	4·1920	·033	−0·028	44 23 46·6	−0·3	10·373	·53	−0·19	3	8·42	44.7735
5795	9·0	55 43·67	−0·01	4·2411	·035	−0·006	45 35 48·6	−0·1	10·345	·53	−0·05	3	8·31	45.7770
5796	8·9†	15 55 47·16	...	+4·0994	+0·030	...	−41 53 42·9	...	−10·341	+0·52	...	5	6·56	41.7410
5797	9·2	55 50·89	0·00	4·3641	·039	−0·005	48 26 34·9	0·0	10·336	·55	−0·08	3	9·42	48.8139
5798	7·5	55 59·81	−0·02	4·1466	·032	−0·006	43 9 41·5	−0·2	10·325	·52	−0·06	5	7·44	43.7426
5799	8·0	56 23·96	0·00	4·4665	·043	0·000	50 33 41·8	0·0	10·295	·56	0·00	3	9·45	50.8907
5800	8·7	56 49·07	−0·02	4·3120	·037	−0·011	47 11 53·9	0·0	10·263	·54	0·00	3	8·34	47.7528

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5801	9·1	15 56 56·28	−0·01	+4·5245	+0·045	−0·011	−51 39 53·3	0·0	−10·254	+0·57	−0·05	3	9·43	51.8896
5802	9·1	57 9·16	0·00	4·4520	·042	−0·002	50 12 49·8	0·0	10·238	·56	+0·01	3	9·48	50.8923
5803	8·0*	57 17·76	−0·02	4·0868	·029	−0·005	41 26 1·8	−0·2	10·228	·52	−0·06	5	6·52	41.7413
5804	7·3	57 30·89	0·00	4·4303	·041	−0·002	49 44 17·3	0·0	10·211	·56	0·00	3	9·48	49.8917
5805	9·2	57 48·89	0·00	4·2650	·035	+0·001	46 1 4·9	0·0	10·188	·54	+0·02	3	8·30	45.7780
5806	9·6†	15 57 52·74	...	+4·1307	+0·031	...	−42 35 45·5	...	−10·184	+0·52	...	5	6·58	42.7278
5807	8·5	57 53·08	−0·02	4·3425	·038	−0·010	47 48 48·4	−0·1	10·183	·55	−0·08	3	8·41	47.7532
5808*	8·5	58 2·40	−0·04	4·0431	·028	−0·013	40 7 39·0	−0·1	10·172	·51	−0·04	5	7·28	40.7194
5809	8·6	58 4·96	0·00	4·4932	·043	−0·007	50 58 22·8	0·0	10·168	·57	−0·04	5	9·46	50.8936
5810	9·3	58 10·96	−0·01	4·1613	·032	−0·002	43 23 20·1	−0·4	10·161	·53	−0·14	5	7·28	43.7440
5811	9·4	15 58 11·02	...	+4·4051	+0·040	...	−49 9 38·3	...	−10·161	+0·56	...	3	9·44	49.8924
5812	9·0	58 13·80	−0·01	4·2340	·034	−0·004	45 14 3·7	−0·1	10·157	·54	−0·04	3	8·45	45.7783
5813	7·7	58 41·78	−0·01	4·2590	·035	−0·003	45 48 38·6	0·0	10·122	·54	−0·01	3	8·30	45.7785
5814	8·5*	59 5·42	−0·02	4·0573	·028	−0·006	40 27 37·5	−0·4	10·092	·52	−0·12	5	6·54	40.7204
5815	9·5*	59 14·61	−0·03	4·1076	·030	−0·009	41 52 15·0	−0·2	10·081	·52	−0·06	5	6·59	41.7419
5816	5·0*	15 59 25·30	0·00	+4·2241	+0·033	−0·001	−44 54 6·2	0·0	−10·067	+0·54	+0·02	3	8·41	44.7758
5817	8·7	59 31·88	0·00	4·3795	·038	+0·004	48 30 40·1	0·0	10·059	·56	0·00	3	9·43	48.8168
5818	9·5	59 33·54	−0·01	4·1984	·032	−0·008	44 14 43·9	0·0	10·057	·54	−0·01	3	8·44	44.7760
5819	9·3	59 41·57	−0·01	4·3041	·036	−0·005	46 48 11·2	+0·2	10·047	·55	+0·11	3	8·29	46.7838
5820	8·8	59 43·71	−0·01	4·1471	·031	−0·003	42 54 0·6	0·0	10·044	·53	0·00	5	7·45	42.7284
5821	10·0	15 59 46·98	...	+4·4849	+0·042	...	−50 41 10·1	...	−10·040	+0·57	...	3	9·47	50.8960
5822	7·0	16 0 6·30	0·00	4·3650	·038	−0·001	48 9 5·5	0·0	10·015	·56	−0·04	3	9·48	48.8174
5823	7·5*	0 21·24	0·00	4·1080	·029	−0·001	41 47 55·0	0·0	9·997	·52	0·00	5	6·53	41.7422
5824	8·6	0 29·06	−0·01	4·3457	·037	−0·004	47 41 46·3	−0·1	9·987	·55	−0·04	3	8·42	47.7543
5825	9·5*	0 30·70	0·00	4·0624	·028	−0·001	40 30 16·9	−0·6	9·985	·52	−0·17	5	6·58	40.7211
5826	9·0	16 0 30·77	0·00	+4·5156	+0·043	−0·005	−51 14 21·2	0·0	− 9·985	+0·58	+0·03	3	9·44	51.8959
5827	7·3	0 34·03	−0·01	4·2833	·035	−0·005	46 15 15·6	−0·1	9·980	·55	−0·06	3	8·36	46.7844
5828	8·8	0 42·55	−0·02	4·1238	·030	−0·006	42 12 19·6	0·0	9·970	·53	−0·01	5	7·28	42.7288
5829	8·4	1 4·72	−0·01	4·1759	·031	−0·003	43 33 35·8	+0·1	9·942	·53	+0·05	5	7·48	43.7452
5830	8·3	1 10·65	0·00	4·2371	·033	−0·003	45 5 47·2	0·0	9·934	·54	+0·01	3	8·45	45.7802
5831	9·0	16 1 14·22	−0·01	+4·0592	+0·028	−0·004	−40 21 49·2	−0·3	− 9·930	+0·52	−0·12	5	7·27	40.7218
5832	9·2	1 34·23	0·00	4·1952	·032	−0·002	44 1 20·1	−0·1	9·904	·54	−0·06	5	8·42	43.7458
5833	9·0*	1 39·75	−0·02	4·0910	·029	−0·005	41 14 7·4	−0·1	9·897	·52	−0·03	5	6·58	41.7427
5834	9·5	2 4·98	0·00	4·4434	·040	−0·008	49 40 52·2	0·0	9·865	·57	0·00	3	9·43	49.8961
5835	8·8	2 44·79	−0·01	4·2192	·032	−0·008	44 32 28·9	0·0	9·815	·54	−0·02	3	8·34	44.7790
5836	8·0	16 2 59·22	−0·01	+4·5490	+0·043	−0·009	−51 42 16·3	0·0	− 9·796	+0·58	−0·04	3	9·43	51.8995
5837	8·7	3 1·38	−0·03	4·3515	·036	−0·019	47 38 50·8	−0·2	9·794	·56	−0·12	3	8·45	47.7553
5838	8·5	3 2·62	0·00	4·2909	·034	−0·001	46 15 31·8	0·0	9·792	·55	−0·03	3	8·41	46.7855
5839	9·8	3 3·15	...	4·2731	·034	...	45 50 9·9	...	9·791	·55	...	3	8·47	45.7811
5840	8·0*	3 19·68	+0·02	4·1755	·031	+0·007	43 23 32·3	−0·2	9·770	·54	−0·05	5	6·54	43.7463

5808. $9^m·0, 9^m·5$ 1″·0 329° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5841	9·0	16 3 27·23	−0·02	+4·3310	+0·035	−0·010	−47 9 22·9	−0·1	−9·761	+0·56	−0·07	3	8·44	47.7556
5842	8·6	3 44·76	0·00	4·4021	·038	0·000	48 42 0·6	0·0	9·738	·57	−0·05	3	9·46	48.8201
5843	7·0	3 44·80	0·00	4·4784	·040	−0·003	50 16 49·6	0·0	9·738	·57	0·00	3	9·43	50.9009
5844	9·3	4 4·83	−0·01	4·3215	·035	−0·004	46 53 43·4	0·0	9·713	·56	−0·01	3	8·30	46.7859
5845	9·0*	4 8·36	−0·06	4·0597	·027	−0·017	40 10 26·9	−0·3	9·708	·52	−0·09	5	6·59	40.7235
5846	6·5*	16 4 28·55	−0·04	+4·0844	+0·028	−0·012	−40 51 16·2	−0·5	−9·682	+0·53	−0·14	5	6·54	40.7237
5847	9·5	4 51·37	−0·04	4·1476	·029	−0·014	42 33 19·4	−0·2	9·653	·53	−0·07	5	6·90	42.7313
5848	8·5	5 2·72	0·00	4·4241	·038	−0·004	49 4 41·7	0·0	9·639	·57	−0·04	3	9·43	49.9005
5849*	8·0*	5 22·24	0·00	4·1325	·029	−0·001	42 6 52·6	−0·1	9·614	·53	−0·04	5	6·59	42.7315
5850	9·6	5 26·39	0·00	4·2267	·032	−0·001	44 32 44·9	0·0	9·609	·55	+0·01	3	8·36	44.7805
5851	9·5	16 5 39·01	−0·01	+4·2778	+0·033	−0·009	−45 46 12·3	−0·1	−9·592	+0·55	−0·04	3	8·45	45.7823
5852	8·2	5 44·51	0·00	4·3989	·037	−0·002	48 29 49·1	0·0	9·585	·57	−0·04	3	9·45	48.8218
5853	7·4	5 44·83	0·00	4·4527	·039	−0·007	49 37 32·9	0·0	9·585	·57	−0·02	3	9·49	49.9016
5854	8·4	5 47·14	0·00	4·5052	·040	−0·006	50 40 31·7	0·0	9·582	·58	−0·01	3	9·46	50.9048
5855	9·0	5 53·96	−0·01	4·5411	·042	−0·012	51 21 35·1	0·0	9·573	·59	+0·02	3	9·45	51.9074
5856	9·0	16 6 2·06	0·00	+4·3116	+0·034	+0·002	−46 32 5·0	0·0	−9·563	+0·56	0·00	3	8·46	46.7869
5857	7·5*	6 12·96	0·00	4·1998	·031	0·000	43 48 56·8	−0·3	9·549	·54	−0·08	5	6·55	43.7478
5858	8·1	6 24·09	0·00	4·5582	·042	−0·006	51 38 58·3	0·0	9·535	·59	−0·06	3	9·46	51.9093
5859	9·3*	6 47·61	−0·02	4·0984	·027	−0·005	41 5 26·6	0·0	9·504	·53	0·00	5	6·59	41.7440
5860	8·4	6 48·40	...	4·4662	·039	...	49 49 47·1	...	9·503	·58	...	3	9·43	49.9038
5861	9·3	16 6 55·18	−0·01	+4·3697	+0·036	−0·008	−47 47 0·4	−0·2	−9·495	+0·57	−0·12	3	8·36	47.7571
5862	10·0	7 42·72	...	4·2195	·031	...	44 12 35·6	...	9·434	·55	...	3	8·46	44.7810
5863	8·2	7 46·67	−0·01	4·2825	·033	−0·005	45 44 11·9	−0·1	9·429	·56	−0·04	3	8·44	45.7830
5864	9·5	8 18·95	−0·01	4·0745	·026	−0·003	40 19 21·3	−0·1	9·387	·53	−0·05	5	7·10	40.7247
5865	8·3	8 34·76	−0·03	4·3538	·034	−0·021	47 19 17·7	−0·2	9·367	·57	−0·13	3	8·36	47.7580
5866	8·4	16 8 39·84	0·00	+4·4234	+0·037	−0·005	−48 49 19·1	0·0	−9·360	+0·57	0·00	3	9·43	48.8289
5867	9·5	8 41·01	−0·02	4·0692	·026	−0·009	40 8 40·8	−0·1	9·358	·53	−0·02	5	7·48	40.7250
5868	8·5	8 44·51	0·00	4·1143	·027	0·000	41 23 47·0	0·0	9·354	·53	−0·01	4:5	7·00 7·09	41.7445
5869	9·3	9 5·70	−0·01	4·5001	·039	−0·010	50 21 22·9	0·0	9·327	·58	+0·03	3	9·46	50.9141
5870	8·3	9 9·30	−0·01	4·2611	·031	−0·005	45 8 12·5	−0·1	9·322	·55	−0·06	3	8·44	45.7837
5871	7·5	16 9 10·28	−0·02	+4·1708	+0·029	−0·006	−42 52 25·8	−0·1	−9·321	+0·54	−0·03	5	7·29	42.7328
5872	7·9	9 21·91	...	4·4443	·037	...	49 12 41·4	...	9·306	·58	...	3	9·45	49.9093
5873	9·4	9 44·59	−0·02	4·2554	·031	−0·012	44 57 37·5	+0·1	9·277	·55	+0·09	3	8·38	44.7815
5874	8·0	9 47·62	0·00	4·3431	·034	−0·003	47 0 5·5	−0·2	9·273	·57	−0·10	3	8·45	46.7873
5875	10·0	10 1·66	0·00	4·1909	·029	0·000	43 20 10·4	−0·3	9·254	·55	−0·10	5	7·28	43.7492
5876	9·9	16 10 13·21	...	+4·5716	+0·041	...	−51 39 3·8	...	−9·239	+0·60	...	3	9·46	51.9205
5877	9·5	10 33·38	−0·01	4·2419	·031	−0·006	44 34 43·6	+0·1	9·213	·55	+0·04	3	8·44	44.7819
5878	8·5	10 35·61	0·00	4·4627	·037	−0·008	49 30 41·6	0·0	9·210	·58	−0·01	3	9·45	49.9115
5879	8·5	10 41·26	−0·02	4·1704	·029	−0·006	42 45 58·0	0·0	9·203	·54	+0·01	5	6·91	42.7336
5880	8·2	10 43·54	0·00	4·4367	·036	−0·006	48 57 54·2	0·0	9·200	·58	−0·04	5	9·51	48.8313

5849. $8^m.0$, 14^m 4″·9 189° Fainter star not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5881	9·0*	16 11 3·17	−0·01	+4·2048	+0·029	−0·003	−43 37 33·6	−0·1	− 9·175	+0·55	−0·04	5	7·28	43.7496
5882	8·5	11 5·01	0·00	4·5376	·040	−0·007	50 57 30·0	0·0	9·172	·59	−0·02	3	9·46	50.9198
5883	8·8	11 13·11	0·00	4·2859	·032	+0·001	45 35 36·1	+0·1	9·162	·56	+0·04	3	8·36	45.7845
5884	9·0*	11 18·78	−0·04	4·0964	·026	−0·013	40 44 15·7	+0·1	9·155	·54	+0·04	5	6·77	40.7252
5885	8·4	11 36·01	0·00	4·4854	·038	−0·004	49 54 26·4	0·0	9·132	·59	+0·02	3	9·43	49.9148
5886	9·6	16 11 51·04	...	+4·2684	+0·031	...	−45 8 7·5	...	− 9·113	+0·56	...	3	8·43	45.7851
5887	9·1	11 56·41	0·00	4·4161	·035	−0·006	48 27 25·2	−0·1	9·106	·58	−0·11	3	9·46	48.8333
5888*	6·0*	12 19·91	−0·01	4·1616	·028	−0·002	42 25 44·5	−0·1	9·075	·54	−0·02	5	6·53	42.7351
5889	9·0*	12 24·31	−0·02	4·0930	·026	−0·008	40 34 32·7	−0·3	9·069	·54	−0·10	5	6·93	40.7253
5890	9·0	12 31·32	−0·01	4·1876	·028	−0·005	43 5 29·8	−0·1	9·060	·55	−0·05	5	7·46	43.7499
5891	9·8	16 12 58·41	...	+4·5592	+0·039	...	−51 15 1·8	...	− 9·025	+0·60	...	3	9·44	51.9317
5892	8·0	13 0·38	−0·01	4·3127	·032	−0·008	46 6 20·6	−0·1	9·022	·57	−0·03	3	8·30	46.7899
5893	8·8	13 0·71	0·00	4·5339	·039	−0·005	50 46 2·8	0·0	9·022	·59	+0·02	3	9·47	50.9254
5894	9·5	13 20·19	...	4·3041	·032	...	45 53 5·5	...	8·997	·56	...	3	8·45	45.7867
5895	9·0*	13 26·62	+0·01	4·1263	·027	+0·003	41 25 26·6	0·0	8·988	·54	0·00	5	6·54	41.7463
5896	9·2	16 13 28·49	−0·02	+4·3677	+0·033	−0·012	−47 18 56·0	−0·1	− 8·986	+0·57	−0·09	3	8·47	47.7614
5897	9·3	13 41·77	−0·01	4·2366	·029	−0·008	44 14 54·3	−0·1	8·969	·56	−0·05	3	8·49	44.7837
5898	8·4	14 1·50	−0·01	4·3505	·033	−0·008	46 53 57·6	0·0	8·943	·57	−0·03	3	8·43	46.7910
5899	7·3	14 5·57	0·00	4·3986	·034	−0·003	47 56 51·4	0·0	8·938	·58	−0·03	5	8·36	47.7621
5900	9·0*	14 20·74	−0·02	4·1744	·028	−0·006	42 38 16·3	−0·3	8·918	·55	−0·11	5	6·93	42.7360
5901	7·5	16 14 27·28	−0·01	+4·2573	+0·030	−0·005	−44 42 17·9	0·0	− 8·909	+0·56	−0·01	3	8·47	44.7846
5902	8·6	14 30·61	...	4·4457	·035	...	48 55 2·1	...	8·905	·58	...	3	9·43	48.8377
5903	8·3	14 47·86	0·00	4·2528	·030	−0·001	44 34 33·6	−0·1	8·882	·56	−0·04	3	8·47	44.7852
5904	8·0*	14 50·30	−0·01	4·1423	·027	−0·004	41 45 51·0	−0·2	8·879	·55	−0·06	5	6·54	41.7464
5905	6·0*	14 59·54	0·00	4·4674	·036	−0·002	49 20 0·5	0·0	8·867	·59	−0·03	3	9·46	49.9235
5906	8·1	16 15 2·44	...	+4·5164	+0·037	...	−50 18 18·9	...	− 8·863	+0·59	...	3	9·49	50.9304
5907	6·5*	15 25·84	−0·02	4·2177	·028	−0·008	43 40 26·5	−0·1	8·833	·56	−0·03	5	7·28	43.7520
5908	8·4	15 45·19	−0·01	4·4247	·034	−0·010	48 24 13·4	0·0	8·807	·58	+0·04	3	9·43	48.8408
5909	9·0	15 49·69	−0·01	4·1556	·027	−0·004	42 3 18·6	−0·1	8·801	·55	−0·05	5	7·14	41.7466
5910	9·3	15 55·28	−0·03	4·1837	·027	−0·012	42 46 54·7	−0·1	8·794	·55	−0·03	5	7·52	42.7370
5911	9·3	16 15 57·16	...	+4·3107	+0·031	...	−45 52 27·8	...	− 8·792	+0·57	...	3	8·30	45.7886
5912	9·9	15 58·49	...	4·4941	·036	...	49 48 31·2	...	8·790	·59	...	3	9·46	49.9262
5913	8·5*	16 16·05	0·00	4·2302	·028	−0·001	43 55 52·4	−0·1	8·767	·56	−0·02	6	6·70	43.7527
5914	8·8	16 17·07	0·00	4·3387	·032	+0·003	46 29 42·1	−0·1	8·766	·57	−0·04	3	8·43	46.7937
5915	9·5	16 31·42	...	4·0882	·025	...	40 11 27·4	...	8·747	·54	...	5	7·11	40.7265
5916	9·5	16 16 54·28	...	+4·5868	+0·039	...	−51 31 44·8	...	− 8·717	+0·61	...	3	9·43	51.9476
5917	9·5	17 8·34	...	4·2441	·029	...	44 13 20·0	...	8·698	·56	...	3	8·30	44.7868
5918	7·7	17 26·87	0·00	4·5347	·037	+0·002	50 30 56·4	0·0	8·674	·60	−0·05	3	9·46	50.9364
5919	7·9	17 31·59	−0·01	4·2752	·029	−0·004	44 56 50·4	0·0	8·668	·57	−0·01	5	8·46	44.7870
5920	7·1	17 44·13	−0·01	4·2828	·029	−0·004	45 6 59·5	0·0	8·651	·57	+0·02	3	8·43	45.7906

5888. $6^m·4, 7^m·2$ 0″·4 152° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5921	9·1	16 18 1·73	...	+4·3288	+0·031	...	−46 9 54·1	...	− 8·628	+0·57	...	3	8·47	46.7973
5922	8·3	18 3·61	−0·01	4·3794	·032	−0·006	47 17 39·2	−0·2	8·626	·58	−0·10	3	8·31	47.7664
5923	9·0*	18 6·46	−0·02	4·1343	·025	−0·006	41 20 35·4	0·0	8·622	·55	0·00	5	6·58	41.7475
5924	7·5	18 11·10	0·00	4·4699	·035	−0·004	49 11 34·0	0·0	8·616	·59	−0·04	3	9·43	49.9304
5925	8·3	18 12·31	−0·01	4·2007	·027	−0·004	43 4 36·6	0·0	8·614	·56	0·00	5	7·47	43.7544
5926	9·3	16 18 30·10	0·00	+4·6023	+0·039	−0·006	−51 43 7·5	+0·1	− 8·591	+0·61	+0·12	3	9·46	51.9519
5927	8·6	18 36·52	0·00	4·3549	·031	−0·003	46 43 12·2	0·0	8·582	·58	−0·03	3	8·43	46.7979
5928	9·3	18 45·64	−0·02	4·1061	·025	−0·007	40 33 6·0	+0·8	8·570	·54	+0·28	5	7·31	40.7305
5929	9·3	18 46·49	...	4·1753	·026	...	42 23 40·6	...	8·569	·55	...	5	7·51	42.7384
5930	8·3	19 7·67	−0·01	4·3054	·030	−0·003	45 33 42·7	+0·1	8·541	·57	+0·07	3	8·30	45.7921
5931	8·1	16 19 12·55	0·00	+4·4245	+0·033	−0·003	−48 11 27·7	0·0	− 8·535	+0·59	+0·03	3	9·43	48.8466
5932	9·0*	19 16·37	+0·01	4·1235	·025	+0·002	40 59 45·9	−0·2	8·530	·55	−0·07	5	6·78	40.7314
5933	9·6	19 20·50	...	4·5072	·035	...	49 52 11·4	...	8·524	·60	...	3	9·49	49.9321
5934*	7·7	19 27·38	−0·01	4·4074	·032	−0·009	47 48 56·2	0·0	8·515	·59	−0·02	3	8·37	47.7683
5935	9·5	19 39·97	...	4·1515	·026	...	41 43 10·0	...	8·499	·55	...	4	7·51	41.7484
5936	8·8	16 19 40·20	...	+4·5235	+0·036	...	−50 10 11·3	...	− 8·498	+0·60	...	3	9·46	50.9405
5937	9·0	19 51·57	−0·01	4·5597	·037	−0·010	50 51 0·3	0·0	8·483	·61	0·00	3	9·50	50.9410
5938	8·0	19 52·91	0·00	4·2243	·027	−0·001	43 34 16·0	−0·1	8·481	·56	−0·03	4	7·02	43.7557
5939	9·4	20 25·21	0·00	4·4657	·034	+0·003	48 58 41·8	0·0	8·439	·59	−0·02	3	9·43	48.8482
5940	9·5	20 44·98	...	4·3099	·029	...	45 34 15·8	...	8·413	·57	...	3	8·43	45.7936
5941	8·5*	16 20 54·29	0·00	+4·1302	+0·025	−0·001	−41 4 57·4	0·0	− 8·400	+0·55	−0·01	5	6·59	41.7486
5942	9·3	20 56·70	−0·01	4·1889	·026	−0·005	42 37 0·1	0·0	8·397	·56	−0·01	5	7·46	42.7395
5943	8·4	21 1·88	−0·01	4·3333	·030	−0·005	46 5 35·6	+0·1	8·390	·58	+0·03	3	8·24	46.8013
5944	8·3	21 24·11	0·00	4·3653	·031	−0·002	46 47 19·7	−0·1	8·361	·58	−0·06	3	8·44	46.8018
5945	9·0	21 27·39	−0·01	4·4387	·033	−0·014	48 21 38·2	0·0	8·357	·59	−0·08	3	9·43	48.8497
5946	8·2	16 21 38·71	−0·01	+4·2795	+0·028	−0·007	−44 48 34·9	0·0	− 8·342	+0·57	−0·01	3	8·44	44.7909
5947	8·5	21 52·94	0·00	4·2154	·027	−0·001	43 14 3·5	−0·2	8·323	·56	−0·06	5	7·46	43.7578
5948	9·4	21 57·12	−0·01	4·3018	·029	−0·003	45 19 1·9	+0·2	8·317	·58	+0·11	3	8·32	45.7957
5949	9·0*	21 59·08	−0·03	4·1053	·024	−0·008	40 20 51·1	0·0	8·315	·55	−0·01	5	6·58	40.7331
5950	9·3	22 23·62	−0·01	4·1609	·025	−0·002	41 48 34·5	−0·2	8·282	·56	−0·06	5	7·14	41.7489
5951	9·3	16 22 38·60	...	+4·3930	+0·031	...	−47 19 18·0	...	− 8·262	+0·59	...	3	8·43	47.7732
5952	9·3	23 3·15	−0·03	4·4227	·032	−0·018	47 56 8·7	0·0	8·229	·59	−0·03	3	8·38	47.7736
5953	9·5*	23 9·46	−0·05	4·1835	·025	−0·016	42 21 13·7	−0·1	8·221	·56	−0·03	5	6·77	42.7402
5954	7·5	23 16·15	−0·01	4·5646	·036	−0·010	50 45 2·0	0·0	8·212	·61	−0·03	3	9·43	50.9459
5955	9·1	23 18·50	0·00	4·5109	·034	−0·007	49 43 11·8	0 0	8·209	·60	−0·06	3	9·46	49.9372
5956	7·8*	16 23 19·00	−0·01	+4·2455	+0·027	−0·004	−43 53 44·0	0·0	− 8·208	+0·57	0·00	4 : 5	7·23:7·28	43.7585
5957	8·1	23 25·76	0·00	4·6025	·037	−0·002	51 26 40·6	0·0	8·199	·62	+0·06	3	9·49	51.9630
5958	9·3	23 33·81	...	4·3305	·029	...	45 53 8·5	...	8·189	·58	...	3	8·46	45.7979
5959	9·2	23 42·19	−0·02	4·2581	·027	−0·011	44 10 44·6	+0·1	8·177	·57	+0·08	3	8·30	44.7935
5960	8·2	23 46·53	−0·02	4·3476	·029	−0·010	46 15 36·7	+0·1	8·172	·58	+0·04	3	8·38	46.8038

5934. $7^m·7$, 10^m 1″·1 284° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
5961	8·4	16 24 2·82	0·00	+4·4725	+0·033	0·000	−48 54 40·2	0·0	− 8·150	+0·60	+0·03	3	9·43	48.8531
5962	9·4	24 24·57	0·00	4·4938	·033	+0·002	49 19 9·3	+0·1	8·121	·60	+0·10	3	9·46	49.9392
5963	7·5*	24 37·59	−0·02	4·2122	·026	−0·005	43 0 0·1	0·0	8·104	·56	−0·01	8	6·71	42.7407
5964	8·9	24 41·20	...	4·5461	·034	...	50 19 30·8	...	8·099	·61	...	3	9·45	50.9475
5965	6·0*	24 44·76	−0·01	4·1578	·024	−0·002	41 35 59·7	0·0	8·094	·56	+0·01	4:5	7·46	41.7500
5966	8·5	16 24 47·95	−0·02	+4·1937	+0·025	−0·009	−42 31 22·2	+0·2	− 8·090	+0·56	+0·06	5	7·49	42.7409
5967	8·5	24 49·79	−0·01	4·2812	·027	−0·004	44 40 11·2	−0·1	8·087	·57	−0·03	3	8·24	44.7945
5968	9·5	25 25·83	−0·02	4·1356	·024	−0·008	40 58 28·6	−0·1	8·039	·56	−0·05	4	7·52	40.7354
5969	9·8	25 31·81	−0·17	4·1034	·023	−0·068	40 5 58·9	+1·8	8·031	·55	+0·71	4	7·49	40.7356
5970	8·9	25 50·37	0·00	4·4438	·031	+0·003	48 13 23·0	0·0	8·006	·60	+0·03	3	9·43	48.8559
5971	9·3	16 25 53·42	−0·01	+4·2891	+0·027	−0·008	−44 47 52·4	0·0	− 8·002	+0·58	+0·02	3	8·24	44.7955
5972	8·3	26 15·75	−0·01	4·3629	·029	−0·006	46 27 52·7	+0·2	7·973	·59	+0·10	3	8·44	46.8059
5973	9·0	26 23·10	−0·04	4·1592	·024	−0·013	41 32 46·1	−0·2	7·963	·56	−0·06	5	6·58	41.7506
5974	9·3	26 27·55	−0·01	4·2992	·027	−0·005	45 0 10·6	0·0	7·957	·58	+0·01	3	8·46	44.7956
5975	7·5	26 27·76	−0·01	4·4299	·031	−0·005	47 53 53·8	0·0	7·956	·60	+0·01	3	8·46	47.7765
5976	8·5	16 26 29·62	0·00	+4·6039	+0·035	−0·007	−51 18 16·1	0·0	− 7·954	+0·62	0·00	3	9·44	51.9684
5977	8·7	26 42·51	...	4·4073	·030	...	47 24 17·8	...	7·937	·59	...	3	8·32	47.7769
5978	8·0*	26 43·06	0·00	4·1226	·023	0·000	40 33 27·4	0·0	7·936	·56	−0·01	4:5	7·02:7·10	40.7368
5979	9·3	27 3·46	...	4·3409	·028	...	45 55 44·7	...	7·909	·59	...	3	8·45	45.8013
5980	8·8	27 8·61	0·00	4·5176	·033	+0·002	49 38 31·1	0·0	7·902	·61	−0·08	3	9·46	49.9421
5981	7·3	16 27 14·59	0·00	+4·4948	+0·032	−0·004	−49 11 4·1	0·0	− 7·894	+0·61	−0·02	3	9·45	49.9427
5982	7·8	27 18·98	−0·01	4·3804	·029	−0·007	46 47 35·5	0·0	7·888	·59	−0·03	3	8·45	46.8067
5983	8·5	27 57·84	...	4·4620	·030	...	48 29 7·4	...	7·836	·60	...	3	9·46	48.8589
5984	9·0*	27 58·27	−0·01	4·2457	·026	−0·002	43 38 49·4	−0·2	7·835	·57	−0·05	5	6·59	43.7625
5985	8·8	28 1·23	−0·02	4·2675	·026	−0·011	44 10 15·8	+0·1	7·831	·58	+0·03	3	8·31	44.7964
5986	9·4	16 28 3·07	0·00	+4·5467	+0·033	−0·002	−50 9 18·1	0·0	− 7·829	+0·61	+0·07	3	9·45	50.9521
5987	8·5	28 14·10	0·00	4·2379	·025	0·000	43 26 35·0	−0·2	7·814	·57	−0·06	5	6·91	43.7626
5988*	7·8	28 24·00	0·00	4·5944	·035	−0·003	51 1 53·2	0·0	7·801	·62	+0·01	3	9·47	50.9525
5989	8·3	28 34·31	−0·01	4·3242	·027	−0·004	45 28 13·5	0·0	7·787	·58	−0·02	3	8·42	45.8028
5990	9·0	28 38·36	...	4·3600	·028	...	46 16 25·9	...	7·781	·59	...	3	8·45	46.8082
5991	8·5*	16 28 49·61	0·00	+4·1784	+0·024	0·000	−41 54 54·1	+0·1	− 7·766	+0·57	+0·03	5	6·77	41.7521
5992	8·3	28 50·03	−0·02	4·2215	·025	−0·006	43 0 16·2	0·0	7·766	·57	−0·01	4:5	7·45	42.7436
5993	8·8	28 53·07	−0·01	4·1431	·023	−0·005	40 59 33·5	0·0	7·762	·56	+0·01	5	7·32	40.7376
5994	8·9	29 6·69	0·00	4·6362	·035	0·000	51 45 6·3	0·0	7·743	·63	−0·05	3	9·43	51.9729
5995	9·0	29 16·86	0·00	4·4859	·031	+0·001	48 54 8·4	0·0	7·730	·61	−0·01	3	9·48	48.8605
5996	6·0*	16 29 20·47	−0·01	+4·2084	+0·024	−0·003	−42 39 7·5	−0·1	− 7·725	+0·57	−0·03	5	6·91	42.7441
5997	9·5	29 49·57	...	4·4368	·030	...	47 52 2·4	...	7·686	·60	...	3	8·24	47.7785
5998	9·4	29 51·12	0·00	4·5742	·033	−0·004	50 34 59·2	0·0	7·683	·62	+0·01	3	9·45	50.9542
5999	8·8	30 32·91	−0·01	4·4026	·029	−0·006	47 6 18·3	0·0	7·627	·60	−0·01	4:3	8·43	47.7794
6000	8·5	30 49·99	0·00	4·5234	·032	−0·005	49 33 46·4	0·0	7·604	·61	−0·02	3	9·43	49.9474

5988. $7^m·9$, 11^m 2″·6 300° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6001	8·0	16 30 54·60	−0·01	+4·3861	+0·028	−0·005	−46 43 43·0	−0·1	−7·598	+0·60	−0·05	3	8·24	46.8105
6002	8·9	30 55·72	...	4·2041	·024	...	42 27 48·0	...	7·596	·57	...	5	6·57	42.7452
6003	8·8*	31 25·87	−0·02	4·1134	·022	−0·006	40 3 54·4	−0·1	7·556	·56	−0·03	5	6·93	40.7396
6004	9·3	31 31·05	...	4·2757	·025	...	44 11 4·6	...	7·549	·58	...	3	8·43	44.7985
6005	9·0	31 33·65	−0·02	4·1652	·023	−0·009	41 25 57·9	+0·1	7·545	·57	+0·02	4:5	7·46	41.7532
6006	9·5	16 31 43·06	0·00	+4·2369	+0·024	0·000	−43 14 22·4	−0·2	−7·533	+0·58	−0·07	5	7·50	43.7636
6007	8·7	31 45·53	...	4·3280	·027	...	45 23 30·8	...	7·529	·59	...	3	8·24	45.8056
6008	8·3	31 59·35	0·00	4·6466	·034	+0·006	51 47 35·3	−0·1	7·511	·63	−0·14	3	9·43	51.9801
6009	7·8	32 6·54	0·00	4·5500	·032	+0·004	50 0 44·6	0·0	7·501	·62	−0·02	3	9·47	49.9496
6010	9·0*	32 27·55	−0·01	4·1226	·022	−0·002	40 14 14·1	+0·2	7·472	·56	+0·07	5	6·58	40.7404
6011	8·1	16 32 29·31	0·00	+4·3104	+0·026	−0·002	−44 56 58·0	0·0	−7·470	+0·59	−0·01	3	8·42	44.7994
6012	9·5	32 55·88	−0·01	4·1562	·022	−0·002	41 7 48·3	−0·1	7·434	·57	−0·04	4:5	7·23:7·27	41.7540
6013	9·0	33 9·16	−0·01	4·2549	·024	−0·003	43 36 16·1	0·0	7·416	·58	0·00	5	7·46	43.7644
6014	7·5	33 15·14	0·00	4·4789	·030	−0·002	48 33 31·6	0·0	7·408	·61	−0·01	3	9·43	48.8689
6015	8·2	33 15·42	−0·01	4·3475	·027	−0·003	45 45 31·2	−0·1	7·408	·59	−0·08	3	8·24	45.8071
6016	9·7	16 33 20·36	...	+4·2740	+0·025	...	−44 3 12·2	...	−7·401	+0·58	...	4:3	8·45:8·46	44.7998
6017	8·0	33 33·92	0·00	4·6177	·033	−0·005	51 11 59·9	0·0	7·383	·63	0·00	3	9·47	51.9824
6018*	7·3	33 41·00	0·00	4·4310	·028	−0·003	47 32 58·3	0·0	7·373	·60	0·00	3	8·45	47.7821
6019	9·3†	33 53·01	...	4·2714	·025	...	43 57 59·2	...	7·357	·58	...	5	6·58	43.7648
6020	9·2	34 0·02	−0·02	4·3901	·027	−0·014	46 39 42·7	0·0	7·347	·60	+0·03	3	8·47	46.8128
6021	8·0	16 34 5·68	0·00	+4·3688	+0·027	−0·002	−46 11 22·3	0·0	−7·340	+0·60	0·00	3	8·37	46.8129
6022	6·0*	34 6·02	0·00	4·5262	·031	−0·002	49 27 22·4	0·0	7·339	·62	−0·01	3	9·43	49.9528
6023	8·5*	34 14·58	−0·03	4·2054	·023	−0·010	42 19 45·4	0·0	7·327	·57	−0·01	4:5	6·81:6·94	42.7471
6024	8·0	34 24·84	−0·02	4·1875	·023	−0·008	41 51 54·3	+0·1	7·313	·57	+0·03	5	7·46	41.7553
6025	7·5	34 35·44	0·00	4·3246	·026	+0·002	45 10 16·7	−0·2	7·299	·59	−0·10	3	8·30	45.8085
6026	8·8	16 35 8·62	0·00	+4·5715	+0·031	−0·004	−50 16 20·9	0·0	−7·254	+0·62	−0·02	3	9·47	50.9592
6027	8·7	35 25·17	−0·01	4·2969	·025	−0·004	44 29 33·1	−0·1	7·231	·59	−0·04	3	8·24	44.8009
6028	8·5*	35 37·78	−0·03	4·2227	·023	−0·010	42 41 33·2	0·0	7·214	·58	−0·01	5	6·57	42.7476
6029	8·4	35 39·55	...	4·4910	·029	...	48 41 6·5	...	7·212	·61	...	3	9·44	48.8752
6030	9·3	35 45·41	0·00	4·4615	·028	+0·002	48 5 1·8	+0·1	7·204	·61	+0·11	3	9·47	48.8756
6031	6·9	16 35 46·38	0·00	+4·3584	+0·026	−0·001	−45 52 41·5	0·0	−7·203	+0·60	0·00	3	8·36	45.8091
6032	8·8	35 48·22	0·00	4·3782	·027	−0·002	46 18 52·7	0·0	7·200	·60	0·00	3	8·44	46.8151
6033	8·0	36 4·64	−0·01	4·2548	·024	−0·005	43 27 39·3	−0·1	7·178	·58	−0·05	4:5	7·45	43.7662
6034	9·0*	36 7·43	−0·02	4·2077	·023	−0·006	42 17 48·4	0·0	7·174	·58	−0·01	5	6·95	42.7479
6035	9·2	36 27·69	−0·01	4·3329	·025	−0·003	45 16 19·8	0·0	7·146	·59	0·00	3	8·24	45.8095
6036	8·6	16 36 56·02	−0·01	+4·4066	+0·027	−0·007	−46 52 27·8	−0·1	−7·108	+0·60	−0·05	3	8·36	46.8171
6037	9·1	37 5·65	0·00	4·5835	·031	+0·001	50 24 19·6	0·0	7·095	·63	−0·04	3	9·43	50.9615
6038	9·0*	37 8·75	−0·04	4·1886	·022	−0·011	41 45 46·3	+0·1	7·090	·57	+0·04	5	6·57	41.7570
6039	8·2	37 11·17	−0·01	4·2876	·024	−0·004	44 11 20·6	0·0	7·087	·59	−0·03	3	8·44	44.8016
6040*	9·0	37 11·37	+0·01	4·1304	·021	+0·002	40 14 41·1	0·0	7·087	·57	−0·01	5	7·12	40.7449

6018. $7^m·5, 9^m·2$ 1″·5 322° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6041	7·7	16 37 27·99	−0·02	+4·4352	+0·027	−0·011	−47 27 24·2	0·0	−7·064	+0·61	+0·01	3	8·24	47.7873
6042	8·2	37 40·88	0·00	4·5335	·029	−0·007	49 25 40·0	0·0	7·047	·62	−0·03	3	9·46	49.9573
6043	8·8	37 45·74	0·00	4·6109	·031	−0·007	50 52 43·6	0·0	7·040	·63	+0·08	3	9·49	50.9623
6044	6·0*	37 46·94	−0·01	4·1468	·021	−0·004	40 39 4·9	−0·2	7·038	·57	−0·06	4 : 5	7·25:7·29	40.7453
6045	8·8*	38 0·56	+0·02	4·1632	·021	+0·007	41 4 10·1	−0·2	7·020	·57	−0·07	4 : 5	7·02:7·10	41.7581
6046	9·4†	16 38 1·98	−0·02	+4·2800	+0·024	−0·009	−43 58 9·0	−0·1	−7·018	+0·59	−0·05	5	7·50	43.7679
6047	9·5	38 3·60	...	4·3166	·024	...	44 49 6·0	...	7·016	·59	...	3	8·37	44.8019
6048	9·3	38 22·04	−0·04	4·4622	·028	−0·020	47 58 28·4	+0·1	6·990	·61	+0·08	3	8·24	47.7884
6049	8·0*	38 42·66	0·00	4·2599	·023	0·000	43 27 27·8	0·0	6·962	·59	0·00	6	6·75	43.7683
6050	6·8	38 46·48	0·00	4·3861	·026	−0·003	46 20 45·9	0·0	6·957	·60	−0·03	3	8·44	46.8205
6051	9·4	16 38 49·78	0·00	+4·5104	+0·029	−0·007	−48 55 24·6	0·0	−6·952	+0·62	−0·06	3	9·44	48.8797
6052	9·5	39 14·98	−0·02	4·2432	·023	−0·008	43 1 45·1	0·0	6·918	·58	−0·01	4 : 5	7·44	42.7497
6053	8·3	39 26·04	0·00	4·6441	·031	−0·004	51 24 0·0	0·0	6·903	·64	−0·04	3	9·46	51.9926
6054	8·8	39 38·93	−0·01	4·3588	·025	−0·005	45 42 15·4	−0·2	6·885	·60	−0·11	3	8·24	45.8127
6055	9·6	39 49·38	...	4·5950	·030	...	50 29 37·1	...	6·871	·63	...	3	9·46	50.9651
6056	7·9	16 40 5·75	−0·02	+4·4387	+0·027	−0·011	−47 24 30·6	0·0	−6·849	+0·61	−0·03	3	8·36	47.7902
6057*	8·0	40 14·98	0 00	4·3410	·024	−0·002	45 16 43·2	0·0	6·836	·60	0·00	3	8·44	45.8134
6058	8·0*	40 15·29	−0·01	4·1815	·021	−0·002	41 26 21·4	0·0	6·835	·58	+0·01	4	6·52	41.7614
6059	8·5	40 15·86	0·00	4·4227	·026	0·000	47 3 55·1	+0·1	6·835	·61	+0·07	3	8·47	47.7903
6060	8·0*	40 29·91	−0·01	4·2320	·022	−0·004	42 41 43·3	−0·2	6·815	·58	−0·07	5	6·58	42.7512
6061	8·0*	16 40 38·71	−0·02	+4·2760	+0·023	−0·007	−43 45 25·0	−0·2	−6·803	+0·59	−0·06	5	6·57	43.7693
6062	9·6	40 46·47	...	4·2996	·023	...	44 18 17·9	...	6·793	·59	..	3	8·32	44.8038
6063	9·7	41 17·97	−0·01	4·5330	·028	−0·014	49 15 17·0	0·0	6·750	·63	−0·01	3	9·44	49.9614
6064	8·1	41 26·11	0·00	4·4760	·027	−0·004	48 7 8·5	0·0	6·738	·62	−0·01	5	9·49	48.8835
6065	8·1	41 29·99	−0·02	4·3859	·025	−0·012	46 13 13·4	−0·1	6·733	·60	−0·04	3	8·36	46.8244
6066	7·8	16 41 34·14	−0·03	+4·4481	+0·026	−0·017	−47 32 21·9	0·0	−6·727	+0·61	−0·03	3	8·44	47.7917
6067	8·5*	41 38·31	0·00	4·1473	·020	0·000	40 29 24·4	−0·1	6·722	·57	−0·03	5	6·52	40.7518
6068	7·9	41 48·76	+0·01	4·5631	·029	+0·011	49 48 28·2	0·0	6·707	·63	0·00	3	9·46	49.9620
6069	8·3	42 12·16	0·00	4·3244	·023	−0·001	44 48 51·5	0·0	6·675	·60	−0·02	3	8·24	44.8049
6070*	7·5*	42 21·77	−0·01	4·2798	·022	−0·003	43 46 2·1	0·0	6·662	·59	−0·01	5	6·56	43.7706
6071	8·3	16 42 25·26	−0·02	+4·4220	+0·025	−0·011	−46 57 10·2	−0·1	−6·657	+0·61	−0·09	6	8·42	46.8252
6072	8·9	42 37·44	0·00	4·6035	·029	−0·007	50 31 35·2	0·0	6·640	·64	+0·01	3	9·44	50.9692
6073	8·0	42 43·02	0·00	4·6506	·030	−0·002	51 22 17·6	0·0	6·633	·64	−0·03	3	9·46	51.9976
6074	8·5*	42 47·99	0·00	4·1369	·020	+0·001	40 9 52·6	0·0	6·626	·57	+0·01	5	6·90	40.7534
6075	7·3*	42 50·21	−0·01	4·2457	·022	−0·003	42 55 47·9	−0·3	6·623	·59	−0·10	5	6·56	42.7527
6076	10·0	16 43 16·94	...	+4·6703	+0·031	...	−51 41 38·3	...	−6·586	+0·65	...	3	9·47	51.9990
6077	8·5†	43 42·88	...	4·1813	·020	...	41 16 56·5	...	6·550	·58	...	5	6·57	41.7656
6078	9·2	43 45·89	−0·01	4·3651	·024	−0·004	45 39 43·9	+0·1	6·546	·60	+0·04	3	8·24	45.8166
6079	8·5*	43 50·50	+0·01	4·2726	·022	+0·002	43 31 57·5	0·0	6·540	·59	0·00	5	7·47	43.7719
6080	8·6	43 59·52	0·00	4·3213	·023	0·000	44 39 56·5	0·0	6·527	·60	0·00	3	8·36	44.8061

6057. $8^m·7, 9^m·0$ 0″·6± 350°± Mass observed.

6070. $7^m·9, 8^m·9$ 1″·1 75° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6081	8·6	16 44 5·19	0·00	+4·5850	+0·028	+0·008	−50 7 25·6	+0·1	−6·519	+0·63	+0·12	3	9·43	50. 9705
6082	8·5*	44 11·40	−0·02	4·2081	·021	−0·007	41 56 28·7	0·0	6·511	·58	−0·01	5	6·55	41. 7663
6083	7·5	44 18·45	0·00	4·5236	·027	0·000	48 56 32·6	0·0	6·501	·63	−0·06	3	9·46	48. 8868
6084	8·0*	44 41·92	+0·01	4·2292	·021	+0·003	42 26 43·8	0·0	6·469	·59	+0·01	5	6·79	42. 7534
6085	8·5*	45 6·11	−0·01	4·2681	·021	−0·003	43 22 19·2	0·0	6·435	·59	0·00	5	7·50	43. 7725
6086	8·8	16 45 10·14	0·00	+4·4946	+0·026	−0·003	−48 19 51·5	0·0	−6·430	+0·62	−0·05	3	9·46	48. 8879
6087	7·0*	45 30·90	−0·01	4·1560	·019	−0·004	40 33 10·1	−0·1	6·401	·58	−0·04	5	6·53	40. 7555
6088	9·2	45 40·07	−0·02	4·4024	·024	−0·015	46 23 41·2	−0·2	6·388	·61	−0·13	3	8·44	46. 8276
6089	8·9	45 40·24	−0·01	4·4505	·025	−0·008	47 24 45·4	0·0	6·388	·62	0·00	3	8·24	47. 7937
6090	8·1	45 46·52	−0·01	4·1978	·020	−0·004	41 36 59·7	−0·1	6·380	·58	−0·02	5	7·14	41. 7676
6091	8·2	16 46 6·64	−0·01	+4·3530	+0·023	−0·007	−45 17 33·5	0·0	−6·352	+0·60	−0·03	3	8·47	45. 8182
6092	8·6	46 8·61	−0·01	4·3022	·022	−0·007	44 7 58·1	0·0	6·349	·60	+0·01	3	8·49	44. 8083
6093	8·5	46 12·05	0·00	4·6585	·029	−0·002	51 22 1·9	0·0	6·344	·65	−0·04	3	9·43	51.10037
6094	8·0	46 26·34	0·00	4·2123	·020	0·000	41 57 13·4	+0·2	6·324	·59	+0·06	10	6·97	41. 7694
6095	8·2	46 34·31	−0·01	4·4207	·024	−0·007	46 45 0·2	+0·1	6·314	·61	+0·04	3	8·24	46. 8281
6096	8·6	16 46 35·46	−0·01	+4·3789	+0·023	−0·004	−45 50 52·7	0·0	−6·312	+0·61	+0·02	3	8·44	45. 8186
6097	7·0	46 54·05	0·00	4·5605	·027	−0·005	49 32 41·7	0·0	6·286	·63	−0·06	3	9·45	49. 9665
6098*	5·5*	46 56·40	0·00	4·2229	·020	+0·001	42 11 44·3	−0·1	6·283	·59	−0·03	5	6·72	42. 7545
6099	7·9	47 25·24	0·00	4·5140	·026	+0·001	48 37 24·6	0·0	6·243	·63	0·00	3	9·45	48. 8910
6100	8·8	47 28·31	−0·02	4·4446	·024	−0·014	47 12 46·0	0·0	6·239	·62	0·00	3	8·37	47. 7951
6101	8·5	16 47 36·10	...	+4·1867	+0·019	...	−41 15 28·7	...	−6·228	+0·58	...	5	7·50	41. 7754
6102	8·8	47 48·27	...	4·3164	·021	...	44 23 38·5	...	6·211	·60	...	3	8·40	44. 8103
6103	8·5	47 51·76	0·00	4·3354	·022	0·000	44 49 30·7	0·0	6·206	·60	−0·03	3	8·47	44. 8104
6104	9·4	47 57·87	...	4·5457	·026	...	49 13 5·0	...	6·198	·63	...	3	9·45	49. 9674
6105	7·2†	47 59·15	−0·02	4·1526	·019	−0·006	40 21 38·3	0·0	6·196	·58	−0·01	5	6·77	40. 7596
6106	8·3	16 48 15·09	−0·01	+4·3514	+0·022	−0·006	−45 10 10·5	0·0	−6·174	+0·61	+0·02	3	8·40	45. 8203
6107	8·9	48 23·92	...	4·4840	·025	...	47 59 6·4	...	6·162	·63	...	3	8·37	47. 7958
6108	6·8	48 25·93	0·00	4·6157	·027	−0·003	50 30 44·4	0·0	6·159	·64	−0·03	3	9·45	50. 9756
6109	7·0*	48 27·92	−0·01	4·2647	·020	−0·005	43 9 9·6	−0·1	6·156	·59	−0·02	5	7·49	43. 7739
6110	9·0	48 35·30	0·00	4·5291	·025	−0·008	48 52 15·7	0·0	6·146	·63	0·00	3	9·50	48. 8919
6111	9·3	16 48 40·26	0·00	+4·6816	+0·029	−0·003	−51 40 21·3	0·0	−6·139	+0·65	0·00	3	9·45	51.10065
6112	8·5	48 46·91	−0·02	4·2551	·020	−0·006	42 54 31·0	−0·1	6·130	·59	−0·04	5	6·94	42. 7559
6113	8·7	48 47·74	−0·01	4·6432	·028	−0·014	50 59 28·2	0·0	6·128	·65	+0·02	5	9·51	50. 9760
6114	8·4	49 16·97	0·00	4·3964	·023	0·000	46 7 12·7	0·0	6·088	·61	+0·02	3	8·24	46. 8302
6115	8·5*	49 28·93	0·00	4·2933	·021	−0·001	43 47 15·2	−0·1	6·071	·60	−0·02	5	6·93	43. 7745
6116	7·0	16 49 38·30	−0·01	+4·1667	+0·018	−0·002	−40 39 47·4	−0·1	−6·058	+0·58	−0·02	4	7·49	40. 7639
6117	8·0*	49 46·32	0·00	4·1797	·019	−0·001	40 59 40·0	+0·2	6·047	·58	+0·07	7	6·58	40. 7645
6118	8·8	50 1·42	...	4·3788	·022	...	45 42 25·1	...	6·026	·61	...	3	8·44	45. 8215
6119	9·0*	50 5·48	−0·01	4·2847	·020	−0·004	43 33 42·7	−0·2	6·021	·60	−0·08	4	7·56	43. 7749
6120	8·5*	50 13·10	−0·01	4·2302	·019	−0·005	42 14 40·4	−0·1	6·010	·59	−0·03	5	7·36	42. 7576

6098. $6^m·0$, $6^m·5$ 0″·2 175° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6121	9·7†	16 50 18·92	...	+4·2031	+0·019	...	−41 34 0·8	...	−6·002	+0·59	...	4	7·53	41. 7782
6122	8·6	50 31 44	−0·02	4·4369	·023	−0·009	46 55 56·1	0·0	5·984	·62	−0·01	3	8·32	46. 8312
6123	8·0*	51 10·50	−0·01	4·1510	·018	−0·002	40 11 47·6	0·0	5·930	·58	0·00	5	6·60	40. 7669
6124	8·5*	51 16·89	−0·03	4·2567	·020	−0·008	42 50 54·9	−0·1	5·921	·60	−0·03	5	6·75	42. 7579
6125	8·2	51 21·97	0·00	4·5722	·025	−0·007	49 35 17·3	0·0	5·914	·64	−0·01	3	9·44	49. 9705
6126	9·0	16 51 26·98	0·00	+4·5047	+0·024	−0·004	−48 16 55·7	−0·1	−5·907	+0·63	−0·11	3	9·48	48. 8944
6127	9·6	51 28·93	...	4·3164	·020	...	44 14 56·4	...	5·904	·60	...	3	8·38	44. 8130
6128	8·2	51 36·24	0·00	4·3939	·022	−0·002	45 58 25·1	0·0	5·894	·62	+0·02	6	8·39	45. 8234
6129	9·3	51 49·90	−0·01	4·3000	·020	−0 003	43 51 15·6	−0·2	5·875	·60	−0·06	5	7·35	43. 7760
6130	8·0*	51 50·78	−0·01	4·1933	·018	−0·004	41 15 39·1	+0·1	5·874	·59	+0·04	4	7·51	41. 7790
6131	9·4	16 52 8·41	...	+4·6324	+0·026	...	−50 40 10·6	...	−5·849	+0·65	...	3	9·49	50. 9784
6132	9·0†	52 15·53	...	4·1562	·018	...	40 17 24·2	...	5·839	·58	...	5	7·17	40. 7680
6133	7·7	52 18·09	−0·01	4·4117	·022	−0·004	46 19 45·3	−0·1	5·836	·62	−0·09	3	8·38	46. 8324
6134	9·0	52 19·58	0·00	4·6995	·028	−0·006	51 50 30·1	0·0	5·834	·66	−0·04	5	9·48	51.10101
6135	8·0	52 49·10	−0·01	4·2683	·019	−0·004	43 4 5·0	−0·1	5·793	·60	−0·03	5	7·50	43. 7769
6136	8·8	16 52 52·54	0·00	+4·5496	+0·024	+0·001	−49 6 7·2	0·0	−5·788	+0·64	0·00	3	9·52	49. 9714
6137*	6·5	52 54·07	0·00	4·5182	·024	−0·004	48 29 37·4	−0·1	5·786	·63	−0·10	3	9·49	48. 8957
6138	7·3	52 58·88	−0·01	4·3447	·021	−0·003	44 50 7·3	0·0	5·779	·61	−0·01	3	8·31	44. 8141
6139	9·3	53 4·57	0·00	4·6002	·025	−0·007	50 2 56·0	0·0	5·771	·64	+0·03	3	9·47	50. 9792
6140	7·7	53 14·64	0·00	4·3660	·021	−0·003	45 18 0·8	0·0	5·757	·61	0·00	3	8·37	45. 8248
6141	9·2	16 53 15·59	−0·03	+4·4683	+0·023	−0·018	−47 50 40·8	0·0	−5·755	+0·63	+0·02	3	8·47	47. 7993
6142	7·5*	54 2·78	−0·02	4·2230	·018	−0·006	41 55 18·2	−0·2	5·690	·59	−0·06	5	6·54	41. 7814
6143	8·5	54 12·98	−0·01	4·4567	·022	−0·007	47 12 20·2	−0·1	5·675	·63	−0·06	3	8·24	47. 7999
6144	8·6	54 37·45	−0·01	4·3269	·020	−0·005	44 22 10·7	0·0	5·641	·61	−0·02	3	8·44	44. 8157
9145	8·8	55 1·50	−0·01	4·4306	·021	−0·009	46 37 46·2	−0·1	5·608	·62	−0·06	3	8·47	46. 8354
6146	8·5*	16 55 7·80	−0·02	+4·2474	+0·018	−0·005	−42 28 50·7	−0·4	−5·599	+0·60	−0·13	5	6·54	42. 7598
6147	8·8	55 23·37	0·00	4·3030	·019	0·000	43 47 28·9	−0·1	5·577	·60	−0·03	5	7·16	43. 7798
6148	9·0*	55 27·74	−0·01	4·1951	·018	−0·003	41 10 17·3	0·0	5·571	·59	0·00	5	7·53	41. 7825
6149	7·8	55 36·58	0·00	4·6166	·025	−0·004	50 15 25·6	0·0	5·558	·65	+0·02	3	9·44	50. 9807
6150*	8·4	55 37·92	−0·01	4·4040	·021	−0·004	46 2 29·6	0·0	5·556	·62	0·00	3	8·24	46. 8362
6151	7·4	16 55 41·20	0·00	+4·5082	+0·022	−0·005	−48 11 30·8	0·0	−5·552	+0·63	+0·06	3	9·47	48. 8974
6152	8·4	55 48·55	0·00	4·3686	·020	−0·003	45 15 46·0	+0·1	5·542	·61	+0·04	3	8·44	45. 8276
6153	9·2†	56 16·45	...	4·1558	·017	...	40 8 5·2	...	5·503	·58	...	5	6·58	40. 7698
6154	9·5	56 33·28	0·00	4·5604	·023	−0·001	49 10 37·9	0·0	5·479	·64	−0·05	3	9·48	49. 9737
6155	8·5*	56 53·23	−0·02	4·2644	·018	−0·007	42 49 33·4	−0·1	5·451	·60	−0·03	5	6·53	42. 7608
6156	9·0	16 56 58·76	−0·02	+4·2303	+0·018	−0·007	−41 59 44·7	−0·1	−5·443	+0·60	−0·05	5	7·50	41. 7837
6157	8·3	57 5·18	0·00	4·6015	·024	+0·001	49 55 44·4	0·0	5·434	·65	0·00	5	9·46	49. 9745
6158	7·5	57 20·92	+0·01	4·2792	·018	+0·004	43 9 49·8	−0·5	5·412	·60	−0·21	5	7·55	43. 7827
6159	9·3	57 35·39	−0·01	4·7048	·026	−0·014	51 44 44·4	0·0	5·392	·66	−0·07	3	9·48	51.10153
6160	7·9	57 52·79	0·00	4·4497	·021	−0·001	46 55 42·4	0·0	5·367	·63	+0·02	3	8·31	46. 8376

6137. $7^m·0$, $7^m·7$ 0″·6 179° Mass observed.

6150. $8^m·6$, $10^m·6$ 1″·7 227° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6161	9·5	16 57 56·30	...	+4·6521	+0·024	...	−50 48 56·3	...	− 5·363	+0·66	...	3	9·48	50. 9822
6162	8·7	58 4·95	−0·01	4·3533	·019	−0·006	44 50 34·2	−0·1	5·350	·61	−0·06	3	8·46	44. 8207
6163	9·1†	58 11·83	...	4·1749	·016	...	40 33 41·5	...	5·340	·59	...	5	6·57	40. 7709
6164	8·5	58 12·41	−0·01	4·1957	·017	−0·003	41 5 30·8	+0·2	5·340	·59	+0·05	5	6·82	41. 7844
6165	8·8	58 20·02	0·00	4·5489	·022	+0·004	48 53 39·9	0·0	5·329	·64	−0·02	3	9·50	48. 8990
6166	8·8	16 58 25·36	−0·01	+4·2439	+0·017	−0·004	−42 16 48·3	−0·1	− 5·322	+0·60	−0·02	5	7·49	42. 7616
6167	9·6	58 26·82	+0·01	4·4049	·020	+0·006	45 57 43·8	+0·1	5·320	·62	+0·07	3	8·48	45. 8302
6168	8·6	58 34·20	0·00	4·5177	·022	0·000	48 16 48·1	0·0	5·309	·64	−0·07	3	9·45	48. 8995
6169	6·5*	58 35·75	0·00	4·3154	·018	−0·001	43 58 0·0	0·0	5·307	·61	+0·01	5	6·73	43. 7841
6170	7·8	58 46·87	0·00	4 3274	·019	−0·002	44 14 2·8	0·0	5·291	·61	−0·03	3	8·37	44. 8225
6171	9·8	16 58 49·73	...	+4·5650	+0·023	...	−49 11 3·4	...	− 5·287	+0·64	...	3	9·50	49. 9750
6172	8·0	59 10·22	0·00	4·4982	·021	−0·003	47 52 24·1	−0·3	5·259	·64	−0·17	3	8·39	47. 8036
6173	9·0*	59 34·04	−0·04	4·2830	·018	−0·011	43 10 44·8	−0·1	5·225	·61	−0·03	5	6·59	43. 7855
6174	8·9	59 38·23	0·00	4·6427	·024	−0·005	50 35 16·7	−0·1	5·219	·66	−0·15	3	9·44	50. 9835
6175	8·6†	59 52·26	...	4·2152	·017	...	41 31 26·2	...	5·199	·60	...	5	6·61	41. 7853
6176	7·4	17 0 11·60	−0·02	+4·4352	+0·020	−0·014	−46 32 42·0	0·0	− 5·172	+0·63	0·00	3	8·31	46. 8395
6177	9·5	0 12·29	...	4·3814	·019	...	45 23 38·1	...	5·171	·62	...	3	8·40	45. 8323
6178	8·7	0 20·67	−0·01	4·4853	·021	−0·008	47 34 29·2	+0·1	5·159	·63	+0·04	3	8·46	47. 8049
6179	9·8	0 21·27	...	4·6731	·024	...	51 6 21·0	...	5·159	·66	...	3	9·52	51.10175
6180	8·5	0 24·13	0·00	4·3444	·018	−0·002	44 33 52·7	0·0	5·154	·61	−0·01	3	8·48	44. 8246
6181	7·5	17 0 32·81	0·00	+4·5451	+0 022	−0·002	−48 44 56·9	0·0	− 5·142	+0·64	−0·05	3	9·45	48. 9014
6182	8·0*	0 40·26	−0·02	4·2704	·017	−0·006	42 50 32·6	−0·1	5·132	·60	−0·02	5	6·59	42. 7644
6183	9·0	0 49·71	−0·01	4·2282	·017	−0·003	41 48 51·4	−0·2	5·118	·60	−0·07	5	6·97	41. 7858
6184	9·0	0 52·70	0·00	4·5765	·022	−0·007	49 20 3·5	0·0	5·114	·65	−0·04	3	9·48	49. 9764
6185	9·3	1 38·75	+0·01	4·4185	·019	+0·004	46 8 44·3	0·0	5·049	·63	+0·02	3	8·24	46. 8410
6186	10·0	17 1 58·04	...	+4·6679	+0·023	...	−50 57 40·9	...	− 5·022	+0·66	...	3	9·44	50. 9871
6187	8·0	2 2·21	−0·02	4·4662	·020	−0·010	47 7 47·8	0·0	5·016	·63	−0·03	3	8·44	47. 8062
6188	9·0*	2 15·89	−0·05	4·2493	·016	−0·015	42 16 56·4	−0·1	4·997	·60	−0·04	5	6·59	42. 7660
6189	8·5	2 21·81	0·00	4·7138	·024	−0·010	51 44 33·0	0·0	4·989	·67	−0·05	3	9·58	51.10190
6190	7·5	2 26·49	−0·01	4·4557	·020	−0·004	46 54 5·8	0·0	4·982	·63	+0·01	3	8·47	46. 8416
6191	8·4	17 2 30·66	−0·01	+4·3900	+0·018	−0·006	−45 30 16·1	−0·1	− 4·976	+0·62	−0·07	3	8·24	45. 8346
6192	8·0*	2 46·62	−0·01	4·1625	·015	−0·005	40 5 31·0	−0·1	4·954	·59	−0·02	8	7·34	40. 7730
6193	5·8*	3 27·47	−0·01	4·3427	·017	−0·005	44 25 42·1	−0·1	4·896	·62	−0·05	3	8·24	44. 8281
6194	8·9	3 40·02	−0·02	4·4971	·020	−0·015	47 42 13·7	0·0	4·878	·64	+0·02	3	8·46	47. 8083
6195	7·5	3 42·98	0·00	4·6169	·022	−0·002	49 59 33·3	0·0	4·874	·66	−0·01	3	9·47	49. 9782
6196	8·1	17 3 54·52	−0·01	+4·2969	+0·017	−0·004	−43 21 47·9	0·0	− 4·857	+0·61	−0·02	5	7·51	43. 7899
6197	7·5*	4 0·02	−0·01	4·2121	·015	−0·002	41 18 46·2	−0·1	4·850	·60	−0·04	4	7·06	41. 7882
6198	9·3*	4 0·57	−0·01	4·3234	·017	−0·004	43 58 18·1	−0·1	4·849	·61	−0·03	5	7·18	43. 7901
6199	6·8	4 2·40	0·00	4·5509	·020	−0·001	48 44 51·4	0·0	4·846	·65	−0·02	3	9·52	48. 9039
6200	9·0*	4 24·02	−0·02	4·2678	·016	−0·008	42 39 38·5	−0·2	4·816	·61	−0·07	5	7·37	42. 7672

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6201	8·3	17 4 30·46	−0·02	+4·4041	+0·018	−0·009	−45 44 47·6	−0·2	−4·807	+0·63	−0·14	3	8·24	45. 8363
6202	9·0	4 45·56	−0·03	4·2357	·016	−0·009	41 52 21·0	−0·1	4·785	·60	−0·04	5	6·93	41. 7891
6203	9·4	4 49·84	...	4·5828	·021	...	49 19 42·2	...	4·779	·65	...	3	9·47	49. 9798
6204	9·0	5 26·13	−0·01	4·4322	·018	−0·008	46 18 57·5	0·0	4·728	·63	+0·02	3	8·24	46. 8449
6205	9·3	5 28·22	0·00	4·7175	·023	−0·006	51 42 38·8	−0·1	4·725	·67	−0·12	3	9·52	51.10221
6206	9·1	17 5 52·23	0·00	+4·5313	+0·020	−0·003	−48 18 48·8	0·0	−4·691	+0·64	+0·04	3	9·47	48. 9058
6207	8·5*	5 53·19	0·00	4·2635	·016	+0·001	42 30 41·6	+0·2	4·689	·61	+0·06	5	6·56	42. 7687
6208	8·9	6 0·20	...	4·6084	·021	...	49 46 8·6	...	4·680	·66	...	3	9·54	49. 9808
6209	7·6	6 3·70	−0·01	4·4755	·019	−0·006	47 11 51·2	0·0	4·675	·64	−0·02	3	8·45	47. 8115
6210	8·0	6 9·46	−0·03	4·5071	·019	−0·020	47 49 41·0	+0·2	4·666	·64	+0·10	3	8·48	47. 8117
6211	8·2	17 6 11·22	−0·01	+4·6460	+0·021	−0·012	−50 26 39·7	0·0	−4·664	+0·66	0·00	3	9·52	50. 9912
6212	9·0	6 27·38	−0·01	4·3548	·017	−0·005	44 36 31·6	0·0	4·641	·62	−0·02	3	8·32	44. 8301
6213	8·0*	6 49·74	−0·01	4·2257	·015	−0·003	41 33 56·7	0·0	4·609	·60	−0·01	5	6·60	41. 7912
6214	8·5	6 50·08	−0·01	4·3827	·017	−0·004	45 12 44·9	−0·1	4·609	·62	−0·04	3	8·45	45. 8384
6215	8·8	7 12·75	0·00	4·5476	·019	0·000	48 35 26·2	0·0	4·577	·65	−0·06	3	9·47	48. 9064
6216	8·0	17 7 13·89	−0·02	+4·3079	+0·016	−0·006	−43 31 4·2	−0·2	−4·575	+0·61	−0·06	5	6·92	43. 7930
6217	8·0	7 44·07	−0·02	4·4092	·017	−0·010	45 45 36·0	−0·1	4·532	·63	−0·08	3	8·24	45. 8400
6218	7·8	7 55·75	0·00	4·6783	·021	−0·002	50 58 0·3	0·0	4·516	·67	0·00	3	9·48	50. 9930
6219	8·6	8 2·21	−0·01	4·3427	·016	−0·004	44 17 22·2	+0·1	4·506	·62	+0·06	3	8·44	44. 8319
6220	9·0	8 12·65	0·00	4·4559	·017	−0·002	46 43 48·5	0·0	4·491	·64	+0·02	3	8·47	46. 8470
6221	8·3	17 8 30·24	−0·01	+4·4320	+0·017	−0·008	−46 13 17·0	0·0	−4·467	+0·63	−0·01	3	8·24	46. 8474
6222	9·5	8 41·11	...	4·7248	·021	...	51 44 31·2	...	4·451	·67	...	3	9·49	51.10255
6223	8·0*	8 50·95	−0·01	4·1829	·014	−0·002	40 26 6·4	−0·3	4·437	·60	−0·08	5	6·58	40. 7762
6224	8·8	8 52·97	−0·01	4·2618	·015	−0·004	42 23 2·9	−0·1	4·434	·61	−0·03	5	7·16	42. 7702
6225	9·3	9 6·16	−0·02	4·2270	·014	−0·009	41 31 57·1	−0·1	4·416	·60	−0·05	5	7·53	41. 7931
6226	7·0*	17 9 11·28	0·00	+4·2555	+0·015	−0·001	−42 13 30·1	0·0	−4·408	+0·61	−0·02	5	7·55	42. 7707
6227	8·5	9 13·86	0·00	4·5601	·019	+0·005	48 46 15·0	0·0	4·404	·65	+0·03	3	9·51	48. 9081
6228	8·5†	9 38·61	−0·01	4·1963	·014	−0·004	40 45 11·3	0·0	4·369	·60	+0·01	5	7·51	40. 7764
6229	7·4	9 48·49	0·00	4·3618	·016	−0·002	44 39 57·3	0·0	4·355	·62	+0·01	3	8·24	44. 8333
6230	9·7	9 51·68	...	4·6655	·020	...	50 41 15·1	...	4·351	·67	...	3	9·46	50. 9951
6231	8·4	17 10 1·98	−0·02	+4·4711	+0·017	−0·014	−46 59 32·1	0·0	−4·336	+0·64	0·00	3	8·45	46. 8499
6232	9·5*	10 15·19	−0·03	4·3232	·015	−0·010	43 46 59·6	−0·4	4·317	·62	−0·13	4:5	6·59	43. 7957
6233	7·8	10 19·31	0·00	4·5919	·019	0·000	49 20 29·2	0·0	4·311	·66	−0·03	3	9·51	49. 9861
6234	9·0	10 27·89	−0·01	4·3854	·016	−0·004	45 9 58·8	0·0	4·299	·63	+0·02	3	8·48	45. 8439
6235	9·3	10 36·72	...	4·4136	·016	...	45 46 22·4	...	4·287	·63	...	3	8·40	45. 8440
6236	7·5	17 10 39·76	0·00	+4·6338	+0·019	−0·003	−50 6 1·3	0·0	−4·282	+0·66	−0·04	3	9·46	50. 9968
6237	7·6	10 49·60	−0·03	4·3100	·015	−0·010	43 28 1·1	−0·1	4·268	·62	−0·03	5	7·31	43. 7965
6238	8·0*	10 53·00	−0·01	4·5077	·017	−0·004	47 42 26·3	−0·1	4·263	·64	−0·03	3	8·31	47. 8172
6239	8·0*	10 56·58	−0·03	4·2811	·014	−0·014	42 47 14·6	−0·3	4·258	·61	−0·11	5	7·52	42. 7713
6240	9·3	11 19·06	...	4·7057	·020	...	51 20 46·4	...	4·226	·67	...	3	9·51	51.10279

6226. $7^m·2, 9^m·2$ $1''·5\pm$ $160°\pm$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6241*	6·0*	17 11 27·56	+0·14	+4·4507	+0·017	+0·089	−46 31 55·2	+0·4	−4·214	+0·64	+0·22	3	8·39	46. 8513
6242	8·8	11 28·75	−0·01	4·3673	·015	−0·004	44 44 32·2	0·0	4·213	·62	+0·01	3	8·47	44. 8351
6243	7·4	12 9·79	−0·01	4·3400	·015	−0·005	44 6 56·8	0·0	4·154	·62	0·00	3	8·31	44. 8358
6244	7·5	12 16·06	0·00	4·5469	·018	−0·004	48 26 14·7	−0·1	4·145	·65	−0·24	3	9·40	48. 9125
6245	8·5*	12 32·65	−0·02	4·2403	·014	−0·006	41 45 52·5	−0·1	4·121	·61	−0·02	5	6·57	41. 7940
6246	8·8	17 12 37·99	+0·01	+4·1856	+0·013	+0·004	−40 24 14·1	−0·1	−4·114	+0·60	−0 04	5	7·16	40. 7774
6247	8·8	12 55·33	...	4·6746	·019	...	50 45 53·7	...	4·089	·67	...	3	9·49	50. 9999
6248	8·2	13 14·21	−0·01	4·4248	·016	−0·005	45 56 31·1	0·0	4·062	·63	+0·01	3	8·31	45. 8472
6249	8·8	13 22·82	−0·01	4·2133	·013	−0·003	41 4 48·2	0·0	4·050	·60	+0·01	11	7·22	41. 7945
6250	9·0*	13 27·35	−0·02	4·3022	·014	−0·007	43 12 55·8	−0·1	4·043	·62	−0·06	5	7·52	43. 7985
6251	7·8	17 13 30·30	−0·01	+4·3959	+0·015	−0·006	−45 18 58·4	0·0	−4·039	+0·63	−0·03	3	8·46	45. 8477
6252	8·6	13 30·77	−0·01	4·6900	·019	−0·023	51 1 7·7	0·0	4·038	·67	−0·02	3	9·40	50.10013
6253*	8·0*	13 40·46	0·00	4·2743	·014	+0·001	42 33 19·7	−0·3	4·025	·61	−0·09	5	6·57	42. 7731
6254	8·3	14 4·62	0·00	4·7335	·019	−0·004	51 44 54·6	0·0	3·990	·68	−0·03	3	9·50	51.10304
6255	8·8	14 8·06	−0·04	4·2293	·013	−0·014	41 27 18·5	0·0	3·985	·61	0·00	5	6·98	41. 7954
6256	8·8	17 14 11·43	0·00	+4·5822	+0·017	−0·003	−49 3 27·5	−0·1	−3·980	+0·66	−0·11	3	9·52	49. 9916
6257	9·1	14 25·44	−0·01	4·4396	·015	−0·004	46 13 22·1	0·0	3·960	·64	+0·01	3	8·24	46. 8557
6258	8·4	14 27·81	−0·01	4·5247	·017	−0·007	47 56 52·3	−0·1	3·957	·65	−0·05	3	8·46	47. 8225
6259	8·5*	14 36·37	−0·01	4·1819	·012	−0·003	40 15 28·8	+0·1	3·945	·60	+0·03	5	7·16	40. 7786
6260	8·1	14 41·33	0·00	4·6154	·018	−0·002	49 39 40·8	0·0	3·938	·66	−0·04	3	9·50	49. 9923
6261	7·5*	17 14 51·01	0·00	+4·2558	+0·013	0·000	−42 4 53·7	−0·1	−3·924	+0·61	−0·02	7	6·88	42. 7741
6262	9·5	14 54·18	0·00	4·5568	·017	−0·005	48 33 31·7	0·0	3·919	·65	+0·02	3	9·42	48. 9150
6263	8·5	14 57·43	−0·01	4·3157	·014	−0·006	43 29 18·8	0·0	3·915	·62	−0·01	5	7·52	43. 8006
6264	8·8	15 6·60	0·00	4·3670	·014	−0·003	44 38 31·1	+0·1	3·902	·63	+0·06	3	8·46	44. 8393
6265	9·2	15 9·21	...	4·4997	·016	...	47 26 3·5	...	3·898	·64	...	3	8·48	47. 8234
6266	7·7	17 15 24·94	−0·01	+4·4074	+0·015	−0·005	−45 30 55·0	0·0	−3·875	+0·63	−0·01	3	8·24	45. 8503
6267	9·0†	16 4·43	...	4·2843	·013	...	42 43 53·9	...	3·819	·62	...	5	6·56	42. 7745
6268	8·0	16 24·88	+0·01	4·5977	·017	+0·018	49 17 37·8	−0·1	3·789	·66	−0·10	3	9·41	49. 9943
6269	9·8	16 28·94	...	4·4690	·015	...	46 47 1·0	...	3·784	·64	...	3	8·32	46. 8592
6270	8·5	16 45·13	0·00	4·7125	·018	−0·007	51 19 37·3	0·0	3·760	·68	−0·03	3	9·51	51.10339
6271	6·0	17 16 58·08	−0·01	+4·3432	+0·014	−0·005	−44 3 59·2	0·0	−3·742	+0·62	−0·03	5	8·44	44. 8431
6272	8·5*	17 4·09	−0·03	4·3359	·013	−0·008	43 53 55·7	0·0	3·733	·62	−0·01	5	6·57	43. 8028
6273	7·8	17 19·14	0·00	4·6572	·017	−0·005	50 21 11·6	0·0	3·712	·67	−0·07	3	9·41	50.10066
6274	7·5	17 24·23	−0·01	4·3819	·014	−0·006	44 54 54·2	+0·1	3·705	·63	+0·03	3	8·31	44. 8441
6275	7·3	17 27·45	0·00	4·4376	·015	+0·001	46 6 27·4	0·0	3·700	·64	−0·02	3	8·46	46. 8608
6276	9·0	17 17 38·34	−0·02	+4·1843	+0·012	−0·006	−40 14 44·3	−0·2	−3·684	+0·60	−0·05	5	6·99	40. 7807
6277	8·0	17 46·75	+0·15	4·1908	·012	+0·052	41 24 28·2	+0·2	3·672	·60	+0·07	5	7·14	41. 7979
6278	9·5*	17 52·63	−0·03	4·3019	·013	−0·012	43 6 24·6	0·0	3·664	·62	−0·01	5	7·51	43. 8035
6279	8·9	17 55·75	...	4·5103	·015	...	47 34 51·3	...	3·659	·65	...	3	8·48	47. 8281
6280	8·6	18 21·52	−0·01	4·3949	·014	−0·003	45 10 27·7	0·0	3·622	·63	+0·01	3	8·24	45. 8556

6241. $6^m·1, 8^m·9$ 2″·6 55° Mass observed.

6253. $8^m·2, 10^m·0$ 2″·5 ± 280° ± Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6281	8·0*	17 18 31·90	−0·02	+4·2513	+0·012	−0·005	−41 53 10·8	−0·1	−3·607	+0·61	−0·03	5	6·57	41. 7983
6282	7·7	18 45·24	0·00	4·5597	·015	+0·004	48 31 25·7	0·0	3·588	·66	−0·02	3	9·48	48. 9194
6283	8·6†	18 51·32	...	4·2759	·012	...	42 27 59·7	...	3·580	·61	...	6	6·92	42. 7761
6284	8·3	18 52·09	0·00	4·6285	·016	0·000	49 48 7·5	0·0	3·579	·67	−0·03	3	9·43	49. 9986
6285	9·2	18 55·41	−0·01	4·4476	·014	−0·007	46 17 6·9	−0·1	3·574	·64	−0·04	3	8·45	46. 8630
6286	7·5*	17 18 59·23	−0·02	+4·2022	+0·012	−0·005	−40 40 3·1	−0·1	−3·568	+0·60	−0·04	5	6·78	40. 7818
6287	7·0	19 0·54	0·00	4·7472	·017	−0·004	51 51 31·7	0·0	3·566	·68	−0·03	3	9·53	51.10359
6288	8·3	19 14·47	−0·02	4·3668	·013	−0·009	44 32 21·6	0·0	3·546	·63	−0·02	3	8·24	44. 8492
6289	7·8	19 21·79	0·00	4·4220	·014	−0·001	45 44 1·2	0·0	3·536	·64	−0·02	3	8·48	45. 8576
6290	6·8	19 24·55	0·00	4·6706	·016	−0·004	50 32 29·2	0·0	3·532	·67	−0·03	3	9·48	50.10092
6291	8·8	17 19 47·93	−0·01	+4·5263	+0·015	−0·006	−47 51 11·0	0·0	−3·498	+0·65	−0·03	3	8·47	47. 8314
6292	7·5*	20 20·07	−0·02	4·3196	·012	−0·005	43 27 9·2	−0·5	3·452	·62	−0·15	5	6·58	43. 8071
6293	7·5	20 25·89	−0·01	4·4812	·014	−0·005	46 56 21·7	0·0	3·444	·65	+0·01	3	8·24	46. 8655
6294	8·0	20 29·08	−0·01	4·4979	·014	−0·007	47 16 37·8	−0·1	3·439	·65	−0·08	3	8·46	47. 8326
6295	8·0*	20 32·41	−0·01	4·2260	·011	−0·002	41 13 28·3	−0·1	3·435	·61	−0·02	5	6·60	41. 7999
6296	8·8	17 21 10·98	0·00	+4·5841	+0·015	0·000	−48 55 52·3	0·0	−3·379	+0·66	−0·08	5	9·53	48. 9228
6297	9·2	21 13·13	0·00	4·4002	·013	−0·002	45 13 38·4	+0·1	3·376	·63	+0·04	3	8·32	45. 8620
6298	8·0*	21 24·88	0·00	4·1879	·011	−0·001	40 15 15·5	−0·1	3·359	·60	−0·03	5	6·59	40. 7843
6299	7·8	21 56·27	−0·01	4·4667	·013	−0·009	46 36 46·0	0·0	3·314	·64	0·00	3	8·45	46. 8676
6300	8·4	21 57·23	0·00	4·6268	·015	0·000	49 42 21·0	0·0	3·313	·67	+0·08	3	9·41	49.10022
6301	8·8	17 22 1·49	0·00	+4·7224	+0·016	−0·004	−51 22 50·2	0·0	−3·307	+0·68	−0·04	3	9·51	51.10393
6302	9·2	22 9·67	0·00	4·5376	·014	+0·001	48 1 23·0	0·0	3·295	·65	+0·02	5	9·53	48. 9243
6303	10·0	22 18·83	...	4·6921	·016	...	50 51 16·9	...	3·282	·68	...	3	9·55	50.10129
6304	8·5*	22 28·36	−0·01	4·1878	·011	−0·004	40 13 48·1	−0·3	3·268	·60	−0·10	5	6·59	40. 7855
6305	8·0	22 33·93	−0·01	4·3754	·012	−0·008	44 39 33·4	0·0	3·260	·63	−0·02	3	8·24	44. 8546
6306	8·4	17 22 37·71	−0·01	+4·4411	+0·013	−0·005	−46 3 53·1	0·0	−3·254	+0·64	0·00	3	8·49	46. 8682
6307	8·9	22 53·03	−0·01	4·2387	·011	−0·003	41 29 9·9	0·0	3·232	·61	−0·01	5	7·52	41. 8014
6308	8·5*	22 53·17	−0·02	4·2705	·011	−0·007	42 15 2·6	+0·1	3·232	·62	+0·02	5	6·62	42. 7792
6309	9·2†	23 5·28	...	4·2952	·011	...	42 49 51·2	...	3·215	·62	...	5	7·20	42. 7794
6310	9·3	23 8·27	...	4·4903	·013	...	47 4 0·3	...	3·210	·65	...	3	8·48	47. 8338
6311	7·5*	17 23 15·23	−0·02	+4·3319	+0·012	−0·006	−43 40 22·9	−0·2	−3·200	+0·62	−0·06	5	7·36	43. 8105
6312	8·5	23 16·10	0·00	4·6605	·015	+0·007	50 16 59·2	0·0	3·199	·67	+0·02	3	9·48	50.10142
6313	7·5	23 21·98	−0·01	4·3090	·011	−0·006	43 8 43·0	−0·1	3·191	·62	−0·05	5	7·51	43. 8108
6314	9·6	23 35·37	...	4·6051	·014	...	49 16 22·6	...	3·171	·66	...	3	9·51	49.10047
6315*	7·6	24 5·94	0·00	4·5735	·014	0·000	48 40 26·1	0·0	3·127	·66	+0·05	3	9·51	48. 9266
6316	8·8	17 24 19·71	−0·02	+4·4142	+0·012	−0·010	−45 27 48·0	−0·1	−3·108	+0·64	−0·08	3	8·24	45. 8653
6317	9·0*	24 22·74	−0·03	4·2584	·011	−0·009	41 55 57·3	0·0	3·103	·61	0·00	5	6·58	41. 8030
6318	7·3	24 24·60	−0·01	4·4377	·012	−0·009	45 57 33·9	0·0	3·100	·64	−0·02	3	8·46	45. 8654
6319*	8·8	24 55·59	−0·01	4·4668	·012	−0·007	46 33 10·4	0·0	3·056	·65	−0·01	3	8·51	46. 8708
6320	8·6	24 56·11	0·00	4·7049	·015	−0·002	51 1 32·0	0·0	3·055	·68	−0·04	3	9·41	51.10413

6315. $7^m·9, 9^m·1$ 0″·7 194° Mass observed.

6319. $9^m·5, 9^m·7$ 2″·9 267° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6321	9·2	17 24 58·62	0·00	+4·3614	+0·011	−0·002	−44 18 5·6	−0·1	−3·052	+0·63	−0·05	3	8·50	44. 8576
6322	9·2	25 10·56	−0·01	4·5136	·013	−0·008	47 29 38·7	+0·1	3·035	·65	+0·08	3	8·24	47. 8354
6323	8·5*	25 12·35	−0·03	4·2662	·011	−0·010	42 6 18·1	−0·2	3·032	·62	−0·06	5	6·61	42. 7811
6324	9·3	25 56·44	...	4·7498	·015	...	51 45 53·2	...	2·968	·69	...	3	9·48	51.10423
6325	8·2	25 57·56	0·00	4·6848	·014	−0·004	50 39 27·8	0·0	2·967	·68	+0·04	3	9·43	50.10181
6326	9·5*	17 26 7·14	0·00	+4·3127	+0·011	+0·001	−43 10 37·6	−0·1	−2·953	+0·62	−0·02	5	6·58	43. 8137
6327	8·8	26 33·66	0·00	4·4205	·012	+0·001	45 33 18·6	−0·1	2·915	·64	−0·04	3	8·38	45. 8680
6328	7·0	26 40·05	0·00	4·5646	·013	−0·005	48 27 22·0	0·0	2·905	·66	+0·05	3	9·49	48. 9296
6329	7·5*	26 50·77	−0·01	4·3919	·011	−0·006	44 56 5·3	0·0	2·890	·64	−0·03	5	8·43	44. 8600
6330	8·6	26 59·08	...	4·6067	·013	...	49 14 19·2	...	2·878	·67	...	3	9·43	49.10092
6331	8·0	17 27 17·18	0·00	+4·5317	+0·012	−0·002	−47 48 32·4	−0·1	−2·852	+0·66	−0·05	3	8·41	47. 8370
6332	7·3*	27 22·10	−0·02	4·2006	·009	−0·006	40 27 37·0	−0·2	2·845	·61	−0·06	5	6·58	40. 7906
6333	9·4	27 22·65	−0·01	4·6417	·013	−0·014	49 52 11·5	0·0	2·844	·67	+0·03	3	9·50	49.10099
6334	9·1	27 30·37	0·00	4·4874	·012	0·000	46 55 38·7	0·0	2·833	·65	−0·03	5	8·43	46. 8736
6335	8·0	27 36·63	−0·01	4·2328	·010	−0·005	41 15 14·8	−0·1	2·824	·61	−0·04	5	7·18	41. 8062
6336	8·5*	17 27 43·99	0·00	+4·2997	+0·010	−0·001	−42 50 50·3	−0·1	−2·813	+0·62	−0·04	5	7·52	42. 7832
6337	8·5*	27 58·98	−0·02	4·3497	·010	−0·006	43 59 5·0	+0·1	2·791	·63	+0·02	11	7·14	43. 8153
6338	5·2*	28 12·76	−0·01	4·4640	·011	−0·005	46 26 11·6	−0·1	2·772	·65	−0·04	3	8·38	46. 8746
6339	9·1	28 30·05	−0·02	4·2368	·010	−0·008	41 20 6·8	−0·1	2·747	·61	−0·05	5	7·17	41. 8071
6340	8·8	28 59·63	0·00	4·5760	·012	+0·004	48 37 46·2	0·0	2·704	·66	−0·03	3	9·47	48. 9337
6341	8·5*	17 29 12·49	−0·02	+4·2936	+0·010	−0·005	−42 40 46·2	0·0	−2·685	+0·62	−0·01	5	6·59	42. 7844
6342	9·0	29 21·37	...	4·3326	·010	...	43 34 27·8	...	2·672	·63	...	5	7·33	43. 8167
6343	8·5	29 22·10	−0·01	4·3739	·010	−0·007	44 29 56·7	0·0	2·671	·63	+0·02	3	8·24	44. 8634
6344	9·1	29 22·94	−0·01	4·7461	·013	−0·012	51 38 38·7	0·0	2·670	·69	−0·07	3	9·53	51.10455
6345	8·4	29 27·35	+0·02	4·4916	·011	+0·010	47 10 42·4	0·0	2·664	·65	−0·02	3	8·46	47. 8390
6346	8·7	17 29 30·30	0·00	+4·7142	+0·013	−0·010	−51 6 14·9	0·0	−2·660	+0·68	−0·08	3	9·53	51.10456
6347	8·5*	29 30·64	−0·01	4·2565	·009	−0·002	41 47 41·0	−0·2	2·659	·62	−0·05	5	6·82	41. 8089
6348*	7·6	29 35·50	0·00	4·6059	·012	−0·001	49 10 48·8	0·0	2·652	·67	−0·02	3	9·54	49.10122
6349	6·3	29 41·55	0·00	4·6508	·012	−0·003	49 59 34·7	0·0	2·643	·67	−0·07	3	9·47	49.10124
6350	8·5	29 47·76	−0·01	4·4364	·011	−0·010	45 50 6·9	+0·1	2·634	·64	+0·04	3	8·51	45. 8714
6351	8·8	17 29 53·11	−0·01	+4·4016	+0·010	−0·006	−45 5 35·7	0·0	−2·626	+0·64	−0·03	3	8·46	45. 8715
6352	9·0	30 7·24	−0·01	4·2060	·009	−0·002	40 32 55·0	+0·2	2·606	·61	+0·06	5	7·50	40. 7925
6353	8·8	30 7·36	0·00	4·4468	·011	+0·003	46 2 56·8	0·0	2·606	·64	+0·02	3	8·42	46. 8770
6354	9·1	30 12·52	−0·01	4·5432	·011	−0·004	47 58 57·3	0·0	2·599	·66	−0·03	3	8·39	47. 8395
6355	8·7†	30 17·12	...	4·2504	·009	...	41 38 9·6	...	2·592	·62	...	5	7·17	41. 8098
6356	7·5*	17 30 43·08	+0·04	+4·2868	+0·009	+0·013	−42 29 41·7	−1·3	−2·554	+0·62	−0·37	5	6·58	42. 7861
6357	8·5	31 10·92	−0·02	4·3897	·010	−0·014	44 48 51·3	0·0	2·514	·64	−0·02	3	8·24	44. 8656
6358	7·5*	31 49·93	−0·06	4·3127	·009	−0·022	43 4 51·9	−0·3	2·458	·62	−0·11	10	7·08	43. 8186
6359	9·5	31 54·16	0·00	4·5586	·011	−0·003	48 15 14·3	0·0	2·451	·66	−0·03	3	9·48	48. 9373
6360	9·1	32 3·37	−0·01	4·6824	·012	−0·012	50 30 53·4	0·0	2·438	·68	0·00	3	9·51	50.10272

6348. $8^m·0, 8^m·8$ 0″·9 39° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6361	9·3	17 32 16·86	−0·01	+4·5262	+0·010	−0·007	−47 37 6·3	+0·2	−2·419	+0·66	+0·11	3	8·24	47. 8403
6362	8·5	32 18·48	−0·02	4·3446	·009	−0·007	43 48 1·6	0·0	2·416	·63	0·00	5	6·95	43. 8191
6363	8·5	32 21·64	−0·01	4·3060	·009	−0·003	42 55 10·2	−0·1	2·412	·62	−0·06	4	7·55	42. 7878
6364	8·5	32 22·15	−0·01	4·4400	·010	−0·006	45 52 12·2	−0·1	2·411	·64	−0·07	3	8·47	45. 8753
6365	5·5*	32 40·40	0·00	4·6179	·011	+0·009	49 21 13·1	−0·1	2·385	·67	−0·18	3	9·48	49.10162
6366	8·3	17 32 51·40	−0·01	+4·1947	+0·008	−0·004	−40 13 16·0	−0·1	−2·369	+0·61	−0·03	5	7·31	40. 7963
6367	7·8	33 3·53	0·00	4·6483	·011	+0·008	49 53 49·4	−0·1	2·351	·67	−0·14	3	9·51	49.10165
6368	8·9	33 25·58	−0·02	4·5365	·010	−0·013	47 48 11·3	−0·1	2·319	·66	−0·05	3	8·24	47. 8413
6369	9·1	33 34·71	0·00	4·7623	·012	−0·006	51 50 53·5	0·0	2·306	·69	0·00	5	9·48	51.10506
6370	9·0†	33 35·70	...	4·2382	·008	...	41 17 19·4	...	2·305	·61	...	5	6·58	41. 8130
6371	6·5*	17 33 46·66	0·00	+4·4895	+0·010	−0·002	−46 52 1·5	0·0	−2·289	+0·65	−0·03	3	8·47	46. 8819
6372	9·1	33 57·43	...	4·3573	·009	...	44 3 32·4	...	2·273	·63	...	3	8·49	44. 8690
6373	9·0	33 58·37	...	4·2842	·008	...	42 23 6·6	...	2·272	·62	...	5	6·96	42. 7890
6374	7·5	34 17·86	+0·01	4·5096	·010	+0·004	47 27 36·0	0·0	2·243	·66	−0·01	3	8·42	47. 8420
6375	9·7	34 31·11	0·00	4·5782	·010	−0·002	48 35 20·1	0·0	2·224	·66	−0·02	3	9·49	48. 9405
6376	8·3	17 34 34·67	−0·01	+4·3881	+0·009	−0·008	−44 43 49·8	−0·1	−2·219	+0·64	−0·05	3	8·32	44. 8699
6377	8·3	34 35·68	−0·01	4·6120	·010	−0·008	49 13 3·7	0·0	2·218	·67	−0·02	3	9·29	49.10180
6378	9·5	34 48·39	...	4·6997	·011	...	50 46 30·9	...	2·199	·68	...	3	9·51	50.10313
6379	7·8	34 54·49	−0·01	4·4598	·009	−0·007	46 14 48·4	0·0	2·190	·65	−0·02	3	8 49	46. 8835
6380	9·0	35 4·82	0·00	4·4070	·009	−0·003	45 7 50·3	0·0	2·175	·64	+0·02	3	8·39	45. 8788
6381	8·0*	17 35 9·70	+0·01	+4·3341	+0·008	+0·004	−43 31 16·2	−0·3	−2·168	+0·63	−0·09	5	6·56	43. 8216
6382	8·5*	35 49·69	−0·02	4·1978	·007	−0·007	40 15 34·3	−1·5	2·110	·61	−0·44	5	6·63	40. 8018
6383	8·5*	35 53·67	...	4·2690	·008	...	41 59 58·9	...	2·105	·62	...	6	5·58	41. 8166
6384	7·3	36 12·18	0·00	4·4451	·009	−0·003	45 55 20·3	0·0	2·078	·65	−0·01	5	8·43	45. 8808
6385	9·2*	36 23·07	...	4·2287	·008	...	41 1 6·0	...	2·062	·61	...	4	5·64	41. 8179
6386	9·3	17 36 26·43	−0·01	+4·7335	+0·010	−0·012	−51 19 53·1	0·0	−2·057	+0·69	−0·05	3	9·41	51.10538
6387	8·3	36 27·36	0·00	4·5625	·009	+0·004	48 15 50·0	0·0	2·056	·66	−0·07	3	9·29	48. 9425
6388	8·9	36 35·16	−0·01	4·6737	·010	−0·011	50 17 58·4	0·0	2·044	·68	−0·04	3	9·52	50.10333
6389	8·7	36 43·66	−0·01	4·3829	·008	−0·004	44 35 15·1	−0·1	2·032	·64	−0·07	3	8·40	44. 8717
6390	8·9	36 57·61	−0·01	4·6290	·010	−0·010	49 29 48·7	0·0	2·012	·67	+0·06	3	9·44	49.10220
6391	8·5	17 37 3·90	0·00	+4·4873	+0·009	+0·003	−46 46 45·2	−0·1	−2·003	+0·65	−0·05	3	8·51	46. 8866
6392	8·2*	37 6·76	...	4·2536	·008	...	41 36 51·2	...	1·999	·62	...	4	5·64	41. 8189
6393	7·4	37 14·56	0·00	4·5322	·009	−0·003	47 40 7·7	0·0	1·987	·66	0·00	3	8·51	47. 8461
6394	7·5*	37 15·12	−0·01	4·3503	·008	−0·002	43 51 30·6	−0·1	1·987	·63	−0·03	5	6·56	43. 8238
6395	6·5*	37 31·67	...	4·2990	·008	...	42 41 1·3	...	1·963	·62	...	4	5·65	42. 7927
6396	7·7	17 37 46·03	−0·02	+4·3604	+0·008	−0·009	−44 4 43·3	+0·1	−1·942	+0·63	+0·04	3	8·32	44. 8731
6397*	7·7	37 48·43	0·00	4·6996	·010	−0·002	50 44 4·4	−0·1	1·938	·68	−0·08	3	9·29	50.10342
6398	8·0	37 54·19	0·00	4·4304	·008	−0·002	45 35 32·5	0·0	1·930	·64	−0·02	3	8·49	45. 8834
6399	9·4†	38 10·60	...	4·3190	·007	...	43 8 15·5	...	1·906	·63	...	4:5	6·63	43. 8245
6400	7·8	38 16·60	0·00	4·5969	·009	−0·004	48 53 26·6	0·0	1·897	·67	+0·01	3	9·35	48. 9451

6397. $8^m·4$, $8^m·6$ 1″·4 218° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6401	9·3	17 38 35·60	...	+4·4537	+0·008	...	−46 4 23·9	...	− 1·870	+0·65	...	3	8·39	46. 8882
6402	8·8*	38 49·18	+0·02	4·2381	·007	+0·005	41 13 7·2	−0·1	1·850	·62	−0·02	5	6·57	41. 8218
6403	9·0	39 5·44	...	4·5489	·008	...	47 58 19·2	...	1·826	·66	...	3	8·40	47. 8480
6404	7·5*	39 48·80	−0·03	4·2402	·007	−0·008	41 14 28·6	+0·1	1·763	·62	+0·02	5	6·59	41. 8233
6405	7·5*	39 50·13	+0·01	4·2033	·006	+0·004	40 21 3·0	−0·2	1·761	·61	−0·07	5	6·62	40. 8075
6406	8·7	17 39 57·33	0·00	+4·6240	+0·008	−0·006	−49 22 10·1	0·0	− 1·751	+0·67	+0·02	3	9·29	49.10252
6407	10·0	40 10·94	...	4·6536	·009	...	49 54 11·3	...	1·731	·68	...	3	9·53	49.10253
6408	9·5*	40 11·52	...	4·2707	·007	...	41 59 21·9	...	1·731	·62	...	6	5·60	41. 8239
6409	9·5	40 11·97	...	4·7600	·009	...	51 43 44·7	...	1·730	·69	...	3	9·36	51.10580
6410	8·4	40 12·10	0·00	4·4252	·007	−0·002	45 27 19·3	−0·1	1·730	·64	−0·04	3	8·24	45. 8854
6411	8·6	17 40 33·12	−0·01	+4·3812	+0·007	−0·007	−44 30 16·9	−0·2	− 1·699	+0·64	−0·12	3	8·47	44. 8767
6412	7·5	40 45·68	0·00	4·5114	·008	−0·001	47 13 3·4	0·0	1·681	·66	+0·03	3	8·49	47. 8501
6413	8·0*	40 48·23	−0·03	4·3319	·007	−0·009	43 24 20·9	−0·1	1·677	·63	−0·03	5	6·61	43. 8279
6414	9·0*	41 26·40	...	4·3139	·007	...	42 59 5·9	...	1·622	·63	...	4:3	5·64	42. 7971
6415	9·4	41 28·53	...	4·6835	·008	...	50 24 57·6	...	1·619	·68	...	3	9·29	50.10378
6416	8·8	17 41 31·16	...	+4·5346	+0·007	...	−47 40 2·7	...	− 1·615	+0·66	...	3	8·52	47. 8508
6417	8·5	41 37·43	−0·01	4·3634	·007	−0·005	44 6 6·0	0·0	1·606	·63	−0·02	3	8·49	44. 8778
6418	8·3	41 51·53	−0·01	4·4607	·007	−0·004	46 10 58·5	−0·1	1·585	·65	−0·04	3	8·49	46. 8916
6419	9·2	41 56·83	−0·01	4·4784	·007	−0·007	46 32 40·8	0·0	1·577	·65	+0·01	3	8·52	46. 8918
6420	9·2	42 7·93	−0·01	4·4343	·007	−0·004	45 37 40·9	0·0	1·561	·64	−0·01	3	8·52	45. 8881
6421	8·5	17 42 26·46	0·00	+4·7229	+0·008	−0·005	−51 5 9·5	−0·1	− 1·534	+0·69	−0·09	5	9·38	51.10606
6422	8·2*	42 41·86	...	4·2476	·006	...	41 24 30·9	...	1·512	·62	...	4	5·65	41. 8282
6423	7·5	42 47·17	0·00	4·5113	·007	−0·002	47 11 51·7	0·0	1·504	·66	−0·02	3	8·24	47. 8521
6424	7·4	42 51·26	0·00	4·6307	·007	−0·003	49 27 48·6	0·0	1·498	·67	+0·01	3	9·35	49.10277
6425	7·4	42 51·97	0·00	4·5657	·007	−0·002	48 15 9·7	0·0	1·497	·66	−0·02	3	9·53	48. 9516
6426	9·3	17 43 9·99	...	+4·5939	+0·007	...	−48 47 1·8	...	− 1·471	+0·67	...	3	9·56	48. 9520
6427	8·3	43 10·41	0·00	4·6755	·008	−0·005	50 15 33·6	0·0	1·471	·68	+0·02	3	9·52	50.10409
6428	5·8*	43 11·48	−0·01	4·1930	·006	−0·002	40 3 29·0	−0·1	1·469	·61	−0·03	5	6·56	40. 8138
6429	8·9	43 37·49	−0·02	4·3205	·006	−0·008	43 7 1·4	−0·2	1·431	·63	−0·10	5	7·51	43. 8303
6430	7·0*	43 43·09	...	4·2852	·006	...	42 17 50·9	...	1·423	·62	...	4	5·63	42. 8005
6431	7·0	17 44 20·81	−0·01	+4·4326	+0·006	−0·004	−45 34 17·0	0·0	− 1·368	+0·65	−0·01	3	8·24	45. 8906
6432	8·0	44 21·90	0·00	4·7598	·007	+0·002	51 41 10·6	0·0	1·367	·69	+0·05	3	9·29	51.10631
6433	9·2	44 55·83	...	4·4916	·006	...	46 47 7·4	...	1·317	·65	...	3	8·47	46. 8942
6434	9·6	44 59·07	...	4·6452	·007	...	49 42 26·6	...	1·312	·68	...	3	9·35	49.10302
6435	9·0*	45 4·02	−0·01	4·3409	·005	−0·004	43 34 7·3	−0·2	1·305	·63	−0·07	5	6·57	43. 8316
6436	9·0	17 45 10·86	0·00	+4·3763	+0·006	+0·003	−44 21 20·5	0·0	− 1·295	+0·64	−0·03	3	8·50	44. 8813
6437	9·3	45 17·92	...	4·5450	·006	...	47 50 6·1	...	1·285	·66	...	3	8·32	47. 8546
6438	9·0	45 21·56	−0·01	4·4580	·006	−0·010	46 5 39·5	−0·1	1·280	·65	−0·04	3	8·54	46. 8950
6439	9·6	45 31·14	−0·01	4·6026	·006	−0·012	48 55 29·5	0·0	1·266	·67	−0·06	3	9·51	48. 9558
6440	9·0	45 35·21	0·00	4·7114	·007	−0·002	50 51 45·4	0·0	1·260	·69	−0·01	3	9·29	50.10444

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6441	6·8*	17 45 43·68	...	+4·2718	+0·005	...	−41 57 53·4	...	−1·248	+0·62	...	6	5·60	41. 8334
6442	9·1	45 56·45	...	4·6625	·006	...	50 0 28·9	...	1·229	·68	...	3	9·38	50.10449
6443	7·5*	46 24·50	−0·02	4·3470	·005	−0·007	43 41 39·3	0·0	1·188	·63	−0·01	5	6·59	43. 8327
6444	8·7	46 26·83	−0·01	4·5706	·006	−0·008	48 19 0·6	0·0	1·185	·67	+0·04	3	9·29	48. 9568
6445	10·0	46 27·62	...	4·6270	·006	...	49 21 59·0	...	1·184	·67	...	3	9·53	49.10320
6446	8·5*	17 46 28·14	−0·03	+4·3109	+0·005	−0·008	−42 52 23·9	−0·1	−1·183	+0·63	−0·02	5	6·66	42. 8040
6447	8·9	46 45·71	−0·02	4·5234	·006	−0·013	47 24 12·3	−0·3	1·157	·66	−0·18	3	8·32	47. 8564
6448	8·5	46 47·07	−0·01	4·2384	·005	−0·005	41 9 7·3	−0·1	1·155	·62	−0·03	5	7·53	41. 8346
6449	8·0	47 45·50	0·00	4·3227	·005	−0·002	43 8 6·6	−0·1	1·070	·63	−0·03	5	7·51	43. 8335
6450	9·0†	47 50·39	...	4·2551	·005	...	41 32 51·4	...	1·063	·62	...	5	6·82	41. 8366
6451	8·3	17 47 55·52	...	+4·5523	+0·005	...	−47 57 29·6	...	−1·056	+0·66	...	5	8·49	47. 8570
6452	7·6	48 18·47	0·00	4·6034	·005	+0·001	48 55 12·3	0·0	1·022	·67	+0·02	3	9·29	48. 9584
6453	8·4	48 23·52	−0·02	4·4029	·005	−0·009	44 54 36·5	−0·1	1·015	·64	−0·08	3	8·32	44. 8838
6454	9·5	48 34·16	−0·01	4·3097	·005	−0·005	42 49 52·0	0·0	0·999	·63	+0·02	5	7·51	42. 8086
6455	8·7	48 39·64	−0·01	4·4346	·005	−0·004	45 34 55·8	−0·1	0·991	·65	−0·04	3	8·54	45. 8955
6456	8·0	17 48 44·32	0·00	+4·4880	+0·005	+0·001	−46 41 1·4	0·0	−0·985	+0·65	+0·02	3	8·51	46. 8987
6457	8·8	48 46·84	...	4·4136	·005	...	45 8 13·3	...	0·981	·64	...	3	8·48	45. 8958
6458	7·8*	48 55·42	−0·01	4·2872	·004	−0·003	42 18 14·7	−0·2	0·968	·62	−0·06	5	6·61	42. 8090
6459	5·0*	49 29·53	−0·01	4·3763	·004	−0·006	44 19 30·6	0·0	0·919	·64	−0·02	3	8·32	44. 8847
6460	9·3	49 34·08	0·00	4·6748	·005	−0·003	50 12 2·7	0·0	0·912	·68	−0·02	3	9·29	50.10474
6461	7·8*	17 49 55·00	0·00	+4·2042	+0·004	−0·001	−40 17 22·9	0·0	−0·882	+0·61	0·00	5	6·65	40. 8258
6462	9·1	49 58·87	...	4·6152	·005	...	49 7 37·1	...	0·876	·67	...	3	9·36	49.10346
6463	9·0	50 11·44	...	4·4516	·004	...	45 55 46·1	...	0·858	·65	...	3	8·49	45. 8973
6464	8·5*	50 12·90	0·00	4·2221	·004	−0·001	40 43 51·3	−0·5	0·856	·62	−0·14	5	6·61	40. 8265
6465	9·5	50 22·42	−0·01	4·5230	·004	−0·006	47 22 18·7	−0·1	0·842	·66	−0·06	3	8·42	47. 8598
6466	9·4	17 50 23·51	...	+4·7635	+0·005	...	−51 42 22·1	...	−0·840	+0·69	...	3	9·53	51.10684
6467	8·5	50 31·85	...	4·5554	·005	...	48 0 7·1	...	0·828	·66	...	3	9·29	47. 8602
6468	8·6	50 37·72	−0·01	4·3973	·004	−0·004	44 46 36·9	−0·1	0·819	·64	−0·05	3	8·50	44. 8857
6469	5·3*	50 41·39	−0·01	4·2621	·004	−0·004	41 42 6·6	−0·1	0·814	·62	−0·02	5	6·82	41. 8411
6470	8·0	50 41·92	0·00	4·4285	·004	0·000	45 26 32·4	0·0	0·813	·65	−0·01	3	8·55	45. 8981
6471	9·0	17 51 6·69	0·00	+4·7112	+0·005	0·000	−50 49 32·7	0·0	−0·777	+0·69	−0·05	3	9·36	50.10486
6472	8·8	51 15·83	...	4·4693	·004	...	46 17 21·2	...	0·764	·65	...	3	8·32	46. 9015
6473	9·8	51 34·73	...	4·6341	·004	...	49 27 52·9	...	0·736	·68	...	3	9·53	49.10363
6474	8·3*	51 34·99	0·00	4·3056	·004	−0·001	42 43 6·8	0·0	0·736	·63	0·00	5	6·62	42. 8126
6475	8·5	51 52·16	−0·01	4·5433	·004	−0·008	47 45 46·0	0·0	0·711	·66	−0·03	3	8·47	47. 8613
6476	8·5*	17 52 15·13	+0·01	+4·3495	+0·004	+0·002	−43 42 59·4	−0·2	−0·678	+0·63	−0·07	5	6·65	43. 8367
6477	8·1	52 35·27	0·00	4·6590	·004	−0·005	49 54 28·6	0·0	0·648	·68	+0·04	5	9·39	49.10379
6478	7·5*	52 35·31	−0·02	4·2532	·003	−0·007	41 28 39·3	−0·1	0·648	·62	−0·03	5	6·62	41. 8451
6479	8·1	53 3·97	...	4·5805	·004	...	48 28 8·9	...	0·606	·67	...	3	9·37	48. 9617
6480	9·2	53 20·11	−0·02	4·4830	·003	−0·010	46 33 43·2	−0·1	0·583	·65	−0·06	3	8·39	46. 9033

6475. $8^m·7$. $10^m·7$ 1″·5± 125°± Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6481	10·0	17 53 44·33	...	+4·7183	+0·004	...	−50 56 7·9	...	− 0·548	+0·69	...	3	9·37	50.10505
6482	9·3	53 52·27	...	4·5132	·003	...	47 9 57·5	...	0·536	·66	...	3	8·48	47. 8645
6483	9·0	54 16·91	0·00	4·6745	·003	−0·002	50 10 29·2	0·0	0·500	·68	−0·01	3	9·38	50.10510
6484	8·0	54 20·50	0·00	4·5988	·003	−0·007	48 48 20·4	0·0	0·495	·67	0·00	3	9·45	48. 9623
6485	9·0†	54 43·06	...	4·2503	·003	...	41 24 3·1	...	0·462	·62	...	5	6·62	41. 8478
6486	9·0*	17 54 43·41	−0·03	+4·1979	+0·003	−0·008	−40 6 39·9	−0·2	− 0·461	+0·61	−0·06	4	6·66	40. 8341
6487	8·5	54 52·73	0·00	4·6432	·003	−0·005	49 36 59·6	0·0	0·448	·68	0·00	3	9·53	49.10398
6488	9·1	54 59·05	−0·02	4·4399	·003	−0·013	45 39 52·5	0·0	0·439	·65	0·00	3	8·39	45. 9026
6489	7·5	55 7·08	0·00	4·7608	·003	−0·004	51 38 38·3	0·0	0·427	·69	−0·05	3	9·29	51.10709
6490	9·0	55 7·73	−0·02	4·2853	·003	−0·009	42 14 0·0	0·0	0·426	·63	+0·01	4	7·30	42. 8195
6491	8·7	17 55 13·22	0·00	+4·3875	+0·003	−0·002	−44 32 43·5	−0·1	− 0·418	+0·64	−0·05	3	8·48	44. 8894
6492	8·0	55 14·60	−0·01	4·3141	·003	−0·003	42 54 2·0	−0·2	0·416	·63	−0·08	5	7·35	42. 8199
6493	9·4	55 20·48	...	4·4569	·003	...	46 1 10·4	...	0·407	·65	...	3	8·52	46. 9058
6494	7·5*	55 48·54	−0·02	4·3387	·002	−0·005	43 27 39·5	−0·1	0·367	·63	−0·04	5	6·62	43. 8402
6495	8·6	56 2·39	0·00	4·5124	·003	−0·002	47 8 37·0	+0·1	0·346	·66	+0·07	3	8·39	47. 8665
6496	8·1	17 56 33·76	−0·01	+4·4170	+0·002	−0·004	−45 10 45·1	−0·1	− 0·301	+0·64	−0·04	3	8·48	45. 9045
6497	9·0	56 38·67	...	4·5696	·002	...	48 15 7·0	...	0·293	·67	...	3	9·29	48. 9644
6498	8·3	57 1·50	...	4·4781	·002	...	46 27 6·8	...	0·260	·65	..	3	8·52	46. 9068
6499	9·0	57 8·62	...	4·6005	·002	...	48 49 48·5	...	0·250	·67	...	3	9·37	48. 9646
6500	8·5	57 9·65	−0·01	4·4351	·002	−0·008	45 33 35·0	0·0	0·248	·65	−0·02	3	8·39	45. 9048
6501	9·3	17 57 15·21	...	+4·6248	+0·002	...	−49 16 42·0	...	− 0·240	+0·67	...	3	9·53	49.10413
6502	9·0*	57 24·01	−0·02	4·2851	·002	−0·005	42 13 31·1	+0·1	0·227	·63	+0·03	5	6·63	42. 8239
6503	8·0*	57 31·34	−0·01	4·2744	·002	−0·004	41 58 18·7	−0·1	0·217	·62	−0·02	5	6·65	41. 8519
6504	9·0	57 34·13	0·00	4·3558	·002	−0·001	43 50 34·9	−0·1	0·213	·64	−0·04	4	7·52	43. 8419
6505	8·0	57 35·54	0·00	4·2193	·002	−0·002	40 38 24·0	−0·1	0·211	·62	−0·04	4	7·54	40. 8389
6506	8·3	17 57 55·71	0·00	+4·3975	+0·002	−0·001	−44 45 32·5	0·0	− 0·181	+0·64	+0·02	3	8·49	44. 8921
6507	8·3	58 29·78	−0·01	4·5407	·002	−0·007	47 41 39·2	0·0	0·132	·66	0·00	3	8·39	47. 8689
6508	9·8	58 41·66	...	4·7124	·002	...	50 49 31·6	...	0·114	·69	...	3	9·37	50.10536
6509	8·5	58 43·08	0·00	4·6382	·002	−0·005	49 31 10·0	0·0	0·112	·68	0·00	3	9·29	49.10429
6510	4·0*	58 50·79	0·00	4·6706	·002	−0·003	50 5 52·1	0·0	0·101	·68	−0·03	3	9·53	50.10538
6511	9·3	17 59 19·98	0·00	+4·7408	+0·001	−0·010	−51 18 20·2	0·0	− 0·058	+0·69	−0·01	3	9·53	51.10738
6512	7·6	59 23·06	0·00	4·5700	·001	−0·003	48 15 19·0	0·0	0·054	·67	+0·05	3	9·30	48. 9658
6513	8·1	59 33·98	−0·01	4·5244	·001	−0·004	47 22 31·0	0·0	0·038	·66	0·00	3	8·47	47. 8697
6514*	6·0*	59 36·00	0·00	4·3375	·001	−0·001	43 25 47·4	−0·4	0·035	·63	−0·12	5	6·60	43. 8434
6515	8·5*	59 46·76	−0·03	4·3069	·001	−0·008	42 43 51·0	0·0	0·019	·63	−0·01	5	6·65	42. 8284
6516	8·5	17 59 55·17	−0·01	+4·2607	+0·001	−0·003	−41 38 41·2	0·0	− 0·007	+0·62	0·00	5	7·34	41. 8563
6517	8·0	59 56·36	−0·01	4·5007	·001	−0·007	46 54 17·1	−0·2	0·005	·66	−0·11	3	8·40	46. 9104
6518	8·5	18 0 5·32	−0·01	4·3705	·001	−0·008	44 10 2·0	0·0	+ 0·008	·64	+0·01	3	8·53	44. 8942
6519	9·5	0 26·30	...	4·4414	·001	...	45 41 25·1	...	0·038	·65	...	3	8·54	45. 9085
6520	9·5	0 27·96	−0·03	4·4009	·001	−0·023	44 49 47·0	+0·1	0·041	·64	+0·05	3	8·50	44. 8944

6514. $6^m·8$, $6^m·8$ 1″·5 246° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6521	7·8	18 1 1·12	0·00	+4·6292	+0·001	−0·005	−49 21 23·5	0·0	+ 0·089	+0·67	−0·07	3	9·29	49.10453
6522	9·5†	1 15·40	...	4·2255	·001	...	40 47 28·8	...	0·110	·62	...	5	6·60	40. 8462
6523	8·7	1 21·78	...	4·4330	·001	...	45 30 54·8	...	0·119	·65	...	3	8·48	45. 9097
6524	9·1	1 33·98	0·00	4·7335	·001	−0·005	51 10 58·7	0·0	0·137	·69	+0·01	3	9·37	51.10755
6525	8·3	1 52·62	...	4·5932	·001	...	48 41 37·9	...	0·164	·67	...	3	9·29	48. 9672
6526	9·1	18 1 58·16	−0·01	+4·5448	+0·001	−0·007	−47 46 25·3	−0·1	+ 0·172	+0·66	−0·05	3	8·49	47. 8716
6527	8·1	2 15·51	0·00	4·4717	·001	−0·003	46 19 13·0	+0·1	0·198	·65	+0·04	3	8·50	46. 9131
6528	8·5	2 21·08	...	4·4228	·001	...	45 17 57·1	...	0·206	·64	...	3	8·52	45. 9111
6529	7·9	2 40·38	0·00	4·4522	·000	−0·002	45 55 8·8	0·0	0·234	·65	−0·03	3	8·54	45. 9117
6530	8·3	3 5·19	...	4·2934	+ ·001	...	42 25 8·0	...	0·270	·63	...	5	6·60	42. 8326
6531	8·9	18 3 8·36	...	+4·5132	0·000	...	−47 9 26·1	...	+ 0·275	+0·66	...	3	8·50	47. 8728
6532	9·8	3 17·71	...	4·7066	·000	...	50 43 40·0	...	0·288	·69	...	3	9·29	50.10565
6533	9·5	3 27·43	−0·03	4·3436	·000	−0·008	43 34 18·7	−0·2	0·302	·63	−0·06	5	6·85	43. 8473
6534	8·9	3 30·46	...	4·6644	·000	...	49 59 32·3	...	0·307	·68	...	3	9·53	49.10464
6535	6·5	3 31·10	−0·01	4·5321	·000	−0·004	47 31 48·1	−0·1	0·308	·66	−0·04	3	8·47	47. 8732
6536	9·0	18 3 47·47	0·00	+4·2639	0·000	+0·002	−41 43 26·2	0·0	+ 0·332	+0·62	+0·01	5	7·56	41. 8612
6537	6·0†	4 0·23	−0·01	4·2494	·000	−0·003	41 22 34·8	−0·1	0·350	·62	−0·04	4	7·56	41. 8614
6538	9·8	4 1·34	...	4·4878	·000	...	46 38 59·7	...	0·352	·65	...	3	8·50	46. 9148
6539	8·3	4 4·09	0·00	4·7626	·000	−0·007	51 40 21·3	0·0	0·356	·69	0·00	3	9·37	51.10765
6540	8·5	4 8·83	0·00	4·3903	·000	0·000	44 36 17·7	0·0	0·363	·64	−0·03	3	8·54	44. 8989
6541	8·3*	18 4 19·80	0·00	+4·2066	0·000	−0·001	−40 19 33·4	−0·2	+ 0·379	+0·61	−0·05	4	6·60	40. 8489
6542	8·0*	4 34·70	−0·03	4·3228	·000	−0·008	43 6 5·6	−0·4	0·400	·63	−0·11	5	6·64	43. 8480
6543	9·0	4 38·54	0·00	4·3069	·000	+0·001	42 44 10·3	0·0	0·406	·63	−0·01	5	7·35	42. 8333
6544	9·1	4 42·09	−0·01	4·5887	·000	−0·011	48 36 53·4	0·0	0·411	·67	+0·06	3	9·29	48. 9691
6545	9·0	5 1·66	...	4·3744	·000	...	44 15 28·8	...	0·440	·64	...	3	8·40	44. 9001
6546*	7·4	18 5 6·46	0·00	+4·6977	−0·001	−0·005	−50 34 42·3	−0·1	+ 0·447	+0·68	−0·08	3	9·37	50.10576
6547	9·3	5 34·19	0·00	4·6551	·001	−0·007	49 49 53·1	0·0	0·487	·68	+0·05	3	9·37	49.10478
6548	8·9	5 37·53	0·00	4·4410	·000	−0·002	45 41 25·0	−0·1	0·492	·65	−0·05	3	8·48	45. 9147
6549	8·5*	5 53·01	−0·02	4·2884	·000	−0·005	42 18 35·6	−0·1	0·515	·62	−0·04	6	6·74	42. 8340
6550	6·0*	6 7·83	−0·02	4·2485	·000	−0·007	41 21 34·0	−0·1	0·536	·62	−0·03	5	6·63	41. 8620
6551	9·1	18 6 29·66	...	+4·4091	−0·001	...	−45 1 0·5	...	+ 0·568	+0·64	...	3	8·40	45. 9160
6552*	7·0	6 35·96	−0·01	4·3281	·001	−0·003	43 13 43·9	−0·2	0·577	·63	−0·07	4	7·51	43. 8497
6553	7·0*	6 36·41	+0·02	4·2398	·000	+0·005	41 8 59·8	−0·1	0·578	·62	−0·04	5	6·63	41. 8624
6554	8·0	6 40·19	0·00	4·3932	− ·001	+0·001	44 40 32·9	0·0	0·583	·64	−0·01	3	8·50	44. 9016
6555	9·3	6 42·24	−0·01	4·5086	·001	−0·004	47 4 28·9	−0·1	0·586	·66	−0·04	3	8·53	47. 8760
6556	8·7†	18 6 45·27	...	+4·3518	−0·001	...	−43 45 55·7	...	+ 0·591	+0·63	...	4	7·13	43. 8500
6557	8·2	6 51·14	...	4·5549	·001	...	47 58 50·9	...	0·599	·66	...	3	8·57	47. 8764
6558	9·1	7 0·90	−0·01	4·4806	·001	−0·007	46 30 51·2	−0·1	0·613	·65	−0·08	3	8·57	46. 9185
6559*	7·6	7 12·10	−0·01	4·6832	·002	−0·009	50 20 2·4	0·0	0·630	·68	−0·02	3	9·29	50.10592
6560	8·3*	7 13·63	0·00	4·2723	·001	+0·001	41 56 6·3	−0·1	0·632	·62	−0·04	5	6·59	41. 8628

6546. $7^m·4$, $11^m·4$ 2″·3 161° Mass observed.
6552. $7^m·1$, $10^m·1$ 1″·5± 336° Not seen double 1856, 1880, 1900.
6559. $8^m·1$, $8^m·6$ 0″·4 145° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6561	8·0	18 7 20·47	−0·01	+4·4375	−0·001	−0·006	−45 37 17·8	0·0	+0·642	+0·65	0·00	3	8·40	45. 9174
6562	8·9	7 33·42	0·00	4·7727	·002	−0·003	51 50 52·8	0·0	0·661	·70	+0·02	3	9·37	51.10785
6563	9·0*	7 45·48	−0·01	4·3038	·001	−0·004	42 40 28·4	+0·1	0·678	·63	+0·02	4	6·61	42. 8344
6564	7·5	7 46·51	0·00	4·6023	·001	−0·001	48 52 48·6	0·0	0·680	·67	+0·05	3	9·52	48. 9714
6565	9·5	8 14·13	...	4·2045	·001	...	40 17 15·3	...	0·720	·61	...	6	6·63	40. 8507
6566	9·0	18 8 17·50	...	+4·6606	−0·002	...	−49 56 18·9	...	+0·725	+0·68	...	3	9·37	49.10491
6567	9·3	8 30·93	...	4·5771	·002	...	48 24 38·4	...	0·745	·67	...	3	9·37	48. 9716
6568	7·0	8 35·50	0·00	4·3727	·001	+0·003	44 14 11·3	0·0	0·751	·64	+0·02	3	8·40	44. 9034
6569	8·3	8 49·18	0·00	4·6218	·002	−0·003	49 14 31·9	0·0	0·771	·67	−0·04	3	9·52	49.10499
6570	8·3	9 0·12	−0·01	4·4837	·002	−0·004	46 35 7·1	0·0	0·787	·65	+0·01	3	8·48	46. 9207
6571	8·8*	18 9 3·09	0·00	+4·2602	−0·001	−0·001	−41 39 10·5	0·0	+0·791	+0·62	0·00	5	6·61	41. 8635
6572	6·5*	9 8·16	0·00	4·7273	·002	−0·005	51 5 59·5	0·0	0·799	·69	−0·05	3	9·45	51.10795
6573	8·0*	9 21·81	−0·03	4·2129	·001	−0·009	40 30 12·3	−0·4	0·819	·61	−0·11	5	6·58	40. 8515
6574	8·9	9 27·49	...	4·5254	·002	...	47 25 12·0	...	0·827	·66	...	3	8·41	47. 8788
6575	8·3	9 50·01	−0·01	4·7069	·003	−0·009	50 45 18·6	0·0	0·860	·69	+0·01	3	9·29	50.10609
6576	8·7	18 10 0·81	...	+4·6758	−0·003	...	−50 13 0·6	...	+0·876	+0·68	...	3	9·37	50.10611
6577	9·0	10 3·78	−0·01	4·3888	·002	−0·008	44 35 44·7	−0·1	0·880	·64	−0·05	3	8·47	44. 9051
6578	8·6	10 10·65	−0·01	4·5497	·002	−0·008	47 53 45·9	0·0	0·890	·66	−0·03	3	8·52	47. 8799
6579	8·0*	10 19·33	0·00	4·3404	·001	0·000	43 31 28·8	−0·1	0·903	·63	−0·02	5	6·63	43. 8537
6580	8·8*	10 25·28	−0·02	4·3214	·002	−0·007	43 5 36·2	0·0	0·911	·63	0·00	5	6·65	43. 8538
6581	9·0	18 10 32·37	...	+4·4340	−0·002	...	−45 33 51·5	...	+0·922	+0·64	...	3	8·41	45. 9212
6582	8·8*	10 35·51	−0·03	4·2264	·001	−0·010	40 50 29·0	−0·2	0·926	·61	−0·05	5	6·60	40. 8522
6583	9·0*	11 11·15	−0·02	4·3144	·002	−0·007	42 56 16·7	−0·3	0·978	·63	−0·08	5	6·65	42. 8357
6584	9·0	11 22·83	−0·01	4·3963	·002	−0·006	44 46 3·2	0·0	0·995	·64	+0·02	3	8·40	44. 9060
6585	6·8*	11 31·35	−0·01	4·2879	·002	−0·002	42 19 30·1	−0·1	1·007	·62	−0·03	5	6·64	42. 8359
6586	7·7	18 11 51·42	0·00	+4·6286	−0·003	+0·006	−49 23 3·0	0·0	+1·037	+0·67	+0·02	3	9·29	49.10520
6587	8·0*	11 52·00	−0·01	4·2114	·002	−0·004	40 28 41·0	−0·2	1·038	·61	−0·05	5	6·59	40. 8528
6588	7·4	12 17·94	−0·01	4·4415	·002	−0·007	45 44 2·6	−0·2	1·075	·65	−0·11	3	8·48	45. 9231
6589	7·5	12 22·12	0·00	4·5969	·003	−0·005	48 48 13·6	0·0	1·081	·67	−0·03	3	9·37	48. 9740
6590	8·7	12 27·21	−0·02	4·4673	·003	−0·010	46 16 14·0	+0·1	1·089	·65	+0·06	3	8·49	46. 9246
6591	8·5	18 12 33·34	+0·01	+4·4198	−0·002	+0·006	−45 16 43·4	0·0	+1·098	+0·64	−0·01	3	8·54	45. 9236
6592	8·2	12 47·15	0·00	4·5241	·003	0·000	47 24 48·8	−0·1	1·118	·66	−0·04	3	8·45	47. 8823
6593	8·6	12 58·02	0·00	4·5552	·003	−0·002	48 1 4·0	0·0	1·134	·66	−0·01	3	9·29	48. 9750
6594	8·2	13 11·85	−0·01	4·3661	·002	−0·006	44 7 2·8	−0·1	1·154	·63	−0·06	3	8·48	44. 9076
6595	9·1	13 30·75	...	4·4032	·003	...	44 55 45·6	...	1·181	·64	...	5	8·52	44. 9080
6596	9·3	18 13 40·00	...	+4·7371	−0·004	...	−51 17 29·3	...	+1·195	+0·69	...	3	9·44	51.10821
6597	9·0*	13 40·35	−0·03	4·2480	·002	−0·009	41 23 16·8	0·0	1·195	·62	0·00	5	6·64	41. 8642
6598	9·1	13 44·08	...	4·3277	·003	...	43 15 30·7	...	1·201	·63	...	5	7·55	43. 8574
6599	7·2*	13 46·40	0·00	4·3525	·003	−0·001	43 49 4·0	−0·2	1·204	·63	−0·07	5	6·59	43. 8575
6600	9·1†	13 51·62	−0·02	4·3043	·003	−0·007	42 43 25·5	−0·4	1·212	·62	−0·12	5	7·05	42. 8371

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6601	9·3†	18 14 0·71	...	+4·2671	−0·002	...	−41 51 2·8	...	+1·225	+0·62	...	5	7·61	41. 8644
6602	9·0	14 8·30	0·00	4·2996	·003	−0·002	42 36 55·6	−0·3	1·236	·62	−0·13	5	7·56	42. 8372
6603	8·5	14 21·66	−0·02	4·5417	·003	−0·010	47 46 4·4	0·0	1·255	·65	+0·01	3	8·45	47. 8836
6604	9·1	14 29·85	0·00	4·6182	·004	−0·004	49 12 42·7	0·0	1·267	·67	+0·01	3	9·29	49.10541
6605	8·7	14 41·66	0·00	4·4572	·003	+0·001	46 4 45·3	−0·2	1·284	·65	−0·15	3	8·55	46. 9266
6606	8·7	18 15 1·23	−0·01	+4·7149	−0·005	−0·011	−50 55 36·5	0·0	+1·313	+0·69	−0·04	3	9·37	50.10642
6607	9·3	15 1·78	...	4·4929	·004	...	46 48 34·2	...	1·314	·65	...	3	8·52	46. 9272
6608	9·3	15 33·09	...	4·3378	·003	...	43 30 10·0	...	1·359	·63	...	5	7·55	43. 8589
6609	9·5*	15 36·40	−0·03	4·2403	·003	−0·010	41 13 2·8	+0·1	1·364	·62	+0·02	5	6·62	41. 8651
6610	9·5	15 39·44	0·00	4·6599	·004	−0·009	49 58 32·5	0·0	1·369	·68	−0·03	3	9·54	49.10549
6611	7·6	18 15 39·67	0·00	+4·5744	−0·004	0·000	−48 24 22·9	0·0	+1·369	+0·66	−0·04	3	9·29	48. 9762
6612	9·0	15 51·94	−0·01	4·3236	·003	−0·004	43 10 56·9	−0·1	1·387	·63	−0·03	5	7·60	43. 8591
6613	9·7	16 14·39	...	4·5319	·004	...	47 35 35·6	...	1·419	·66	...	3	8·50	47. 8851
6614	8·0	16 21·45	−0·01	4·2883	·003	−0·003	42 22 11·5	−0·3	1·430	·62	−0·11	5	6·84	42. 8382
6615	8·2	16 36·59	−0·01	4·4140	·004	−0·006	45 11 13·5	0·0	1·452	·64	−0·02	3	8·44	45. 9273
6616	9·5	18 16 43·74	...	+4·2015	−0·003	...	−40 16 11·1	...	+1·462	+0·61	...	5	7·17	40. 8550
6617	7·0	16 48·62	0·00	4·6439	·005	+0·003	49 41 55·7	−0·1	1·469	·67	−0·14	3	9·29	49.10555
6618	8·3	17 0.82	0·00	4·5970	·005	+0·002	48 50 30·9	−0·1	1·487	·67	−0·09	3	9·37	48. 9776
6619	5·8*	17 1·72	0·00	4·3666	·004	−0·001	44 9 34·8	0·0	1·488	·63	−0·03	3	8·55	44. 9116
6620	9·6	17 8·96	...	4·7610	·006	...	51 43 7·9	...	1·499	·69	...	3	9·54	51.10847
6621	9·3	18 17 22·44	...	+4·4473	−0·004	...	−45 53 54·5	...	+1·518	+0·65	...	3	8·52	45. 9278
6622	8·0	17 43·95	−0·03	4·2839	·003	−0·011	42 16 49·7	−0·2	1·549	·62	−0·05	5	6·86	42. 8389
6623	8·8	17 49·61	0·00	4·6958	·006	−0·005	50 37 25·4	0·0	1·558	·68	−0·04	3	9·29	50.10663
6624	8·3	18 0·33	−0·03	4·3883	·004	−0·019	44 38 40·9	−0·1	1·573	·64	−0·06	3	8·40	44. 9127
6625	9·2	18 9·59	−0·02	4·4915	·005	−0·011	46 48 37·3	+0·1	1·587	·65	+0·07	3	8·50	46. 9298
6626	9·7	18 18 10·32	...	+4·6618	−0·006	...	−50 1 54·6	...	+1·588	+0·68	...	3	9·38	50.10668
6627	8·5†	18 16·13	...	4·2633	·003	...	41 47 39·6	...	1·596	·62	...	5	6·81	41. 8663
6628	9·4	18 16·73	...	4·2437	·003	...	41 19 26·8	...	1·597	·62	...	5	7·56	41. 8664
6629	8·9	18 26·43	0·00	4·5028	·005	−0·003	47 2 24·3	0·0	1·611	·65	+0·01	3	8·52	47. 8867
6630	8·8	18 41·20	0·00	4·6387	·006	−0·003	49 37 25·7	0·0	1·633	·67	−0·04	3	9·53	49.10572
6631	9·0*	18 19 2·16	−0·02	+4·3118	−0·004	−0·006	−42 56 28·9	−0·1	+1·663	+0·63	−0·02	5	6·86	42. 8395
6632	9·4	19 5·96	...	4·4137	·004	...	45 12 12·2	...	1·669	·64	...	3	8·53	45. 9291
6633	4·0*	19 18·22	0·00	4·5603	·005	0·000	48 10 17·9	0·0	1·687	·66	−0·02	3	9·29	48. 9795
6634	4·0*	19 33·54	0·00	4·4523	·005	−0·003	46 1 24·5	−0·1	1·709	·65	−0·05	5	8·52	46. 9308
6635	9·6	19 34·87	−0·02	4·5360	·005	−0·015	47 42 23·5	+0·1	1·711	·66	+0·07	3	8·48	47. 8873
6636	8·8	18 19 37·66	−0·01	+4·3664	−0·004	−0·004	−44 10 53·6	−0·1	+1·715	+0·63	−0·08	3	8·42	44. 9140
6637	8·5	19 47·48	−0·02	4·2222	·004	−0·006	40 48 56·1	0·0	1·729	·61	+0·01	5	6·99	40. 8571
6638	9·7†	19 50·23	...	4·3395	·004	...	43 34 50·7	...	1·733	·63	..	5	7·02	43. 8614
6639	9·6	20 7·92	...	4·7139	·007	...	50 57 32·7	...	1·759	·68	...	3	9·37	50.10688
6640	8·8*	20 28·87	−0·01	4·3107	·004	−0·004	42 55 55·7	−0·2	1·789	·63	−0·05	5	6·60	42. 8402

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6641	9·0*	18 20 52·42	0·00	+4·2322	−0·004	+0·001	−41 4 19·4	−0·2	+1·823	+0·61	−0·05	5	6·65	41. 8676
6642	9·0	20 55·91	0·00	4·5956	·006	−0·007	48 51 23·7	0·0	1·828	·67	+0·07	3	9·29	48. 9810
6643	9·0*	20 59·03	0·00	4·3439	·005	−0·001	43 41 40·3	−0·3	1·833	·63	−0·08	5	6·69	43. 8623
6644	9·3	20 59·72	−0·02	4·3974	·005	−0·013	44 52 31·6	−0·2	1·834	·64	−0·10	3	8·47	44. 9147
6645	8·2	21 4·55	...	4·4899	·005	...	46 48 32·0	...	1·841	·65	...	3	8·41	46. 9318
6646	4·5*	18 21 7·70	+0·01	+4·6099	−0·006	+0·013	−49 7 29·0	−0·2	+1·845	+0·67	−0·26	3	9·37	49.10594
6647	8·5	21 24·60	0·00	4·2015	·004	−0·001	40 19 10·0	+0·1	1·870	·61	+0·03	5	6·81	40. 8581
6648	8·0	21 38·27	−0·01	4·2592	·004	−0·002	41 44 7·9	−0·3	1·890	·62	−0·09	5	6·80	41. 8685
6649	8·2	21 57·05	−0·01	4·5063	·006	−0·008	47 8 55·4	0·0	1·917	·65	−0·01	3	8·48	47. 8891
6650*	8·7	21 59·87	−0·01	4·4679	·006	−0·008	46 22 25·0	0·0	1·921	·65	+0·02	3	8·40	46. 9332
6651	8·5*	18 22 8·70	−0·08	+4·2709	−0·004	−0·023	−42 1 6·4	+0·2	+1·934	+0·62	+0·06	5	6·65	42. 8407
6652	8·3	22 31·34	...	4·6325	·007	...	49 33 9·8	...	1·967	·67	...	3	9·29	49.10607
6653	8·0*	22 49·35	0·00	4·3518	·005	−0·001	43 53 37·1	−0·5	1·993	·63	−0·16	5	6·58	43. 8633
6654	8·2	23 2·24	0·00	4·7489	·008	−0·007	51 34 56·1	0·0	2·012	·69	0·00	3	9·37	51.10894
6655	7·7	23 29·46	−0·01	4·5431	·007	−0·006	47 53 26·6	0·0	2·051	·66	+0·01	3	8·40	47. 8904
6656	7·8	18 23 43·44	0·00	+4·6708	−0·008	−0·004	−50 15 4·2	0·0	+2·071	+0·68	−0·07	3	9·29	50.10717
6657	8·0	23 49·28	−0·02	4·5168	·006	−0·013	47 22 47·5	0·0	2·080	·65	−0·02	3	8·48	47. 8907
6658	8·6	24 2·92	0·00	4·5871	·007	−0·005	48 44 5·3	0·0	2·100	·66	−0·01	3	9·38	48. 9834
6659	8·5	24 12·74	−0·03	4·3303	·005	−0·012	43 25 38·3	−0·5	2·114	·63	−0·20	5	7·58	43. 8643
6660	8·4	24 16·01	0·00	4·7247	·008	−0·004	51 11 32·9	0·0	2·119	·68	−0·05	3	9·53	51.10908
6661	6·0*	18 24 20·95	0·00	+4·4475	−0·006	−0·003	−45 58 55·2	−0·1	+2·126	+0·64	−0·05	3	8·55	45. 9323
6662	8·5*	24 33·18	+0·01	4·2573	·005	+0·002	41 43 32·0	+0·1	2·144	·62	+0·03	5	6·58	41. 8700
6663	8·5	24 43·41	−0·01	4·3854	·006	−0·004	44 39 45·0	0·0	2·158	·63	−0·03	3	8·40	44. 9182
6664	9·0	24 52·08	...	4·3602	·006	...	44 6 30·7	...	2·171	·63	...	5	8·54	44. 9186
6665	9·4	25 7·42	0·00	4·7099	·009	−0·004	50 56 58·7	+0·1	2·193	·68	+0·08	3	9·29	50.10725
6666	9·2†	18 25 16·20	...	+4·2848	−0·005	...	−42 23 16·6	...	+2·206	+0·62	...	5	6·63	42. 8418
6667	8·7†	25 21·89	...	4·1903	·005	...	40 5 10·1	...	2·214	·61	...	5	6·67	40. 8598
6668	8·9	25 30·47	0·00	4·4118	·006	+0·002	45 14 30·3	0·0	2·227	·64	0·00	3	8·49	45. 9333
6669	8·3	25 46·39	−0·01	4·6710	·009	−0·008	50 16 57·1	0·0	2·250	·68	+0·05	3	9·30	50.10734
6670	9·0*	25 57·09	−0·02	4·2564	·005	−0·006	41 43 18·9	−0·1	2·265	·62	−0·03	5	6·65	41. 8709
6671	8·8	18 26 16·43	−0·02	+4·4539	−0·007	−0·011	−46 8 25·0	0·0	+2·293	+0·64	+0·02	3	8·40	46. 9372
6672	9·3	26 20·81	−0·01	4·4268	·007	−0·005	45 34 22·7	0·0	2·299	·64	+0·03	3	8·49	45. 9338
6673	8·5*	26 32·53	−0·02	4·3341	·006	−0·005	43 32 43·9	0·0	2·317	·63	−0·01	5	6·64	43. 8662
6674	7·7†	27 1·88	...	4·2378	·006	...	41 17 23·4	...	2·359	·61	...	5	6·59	41. 8715
6675	8·0	27 8·79	−0·01	4·2954	·006	−0·004	42 39 55·4	−0·1	2·369	·62	−0·04	5	6·67	42. 8426
6676	8·0	18 27 9·13	0·00	+4·6221	−0·008	−0·004	−49 25 34·5	0·0	+2·369	+0·67	−0·04	3	9·29	49.10648
6677	9·6	27 18·58	...	4·5172	·008	...	47 26 10·0	...	2·383	·65	...	3	8·50	47. 8938
6678	8·3	27 20·91	0·00	4·5578	·008	0·000	48 13 35·8	0·0	2·387	·66	−0·04	3	9·54	48. 9865
6679	9·0	27 21·78	...	4·7350	·010	...	51 24 26·1	...	2·388	·68	...	3	9·37	51.10928
6680	8·8	27 27·02	...	4·4836	·007	...	46 46 0·0	...	2·395	·65	...	3	8·40	46. 9382

6650. $9^m\cdot5, 9^m\cdot5$ $1''\cdot0\pm$ $45^\circ\pm$ Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6681	9·5	18 27 44·61	...	+4·1868	−0·005	...	−40 1 51·9	...	+2·421	+0·60	...	5	6·83	40. 8605
6682	8·7	27 44·90	0·00	4·3797	·007	−0·002	44 34 45·2	0·0	2·421	·63	−0·02	3	8·53	44. 9213
6683	8·9	27 51·51	0·00	4·4468	·007	−0·003	46 1 1·5	0·0	2·431	·64	−0·03	3	8·56	46. 9389
6684	8·9	27 51·58	0·00	4·5840	·009	−0·003	48 43 55·5	0·0	2·431	·66	−0·02	3	9·47	48. 9873
6685	8·3	29 14·97	...	4·7514	·011	...	51 42 38·7	...	2·551	·69	...	3	9·29	51.10941
6686	9·1	18 29 20·62	−0·01	+4·4071	−0·007	−0·008	−45 11 55·7	0·0	+2·560	+0·64	+0·02	3	8·40	45. 9375
6687	9·0*	29 31·27	−0·05	4·2550	·006	−0·014	41 44 35·1	−0·1	2·575	·61	−0·04	5	6·59	41. 8726
6688	9·4†	29 40·34	...	4·3211	·007	...	43 17 55·3	...	2·588	·62	...	5	6·66	43. 8683
6689	8·8	29 50·33	−0·01	4·2735	·007	−0·004	42 11 24·6	−0·1	2·603	·62	−0·04	5	7·21	42. 8439
6690	8·6	29 51·75	0·00	4·6643	·010	−0·003	50 13 37·5	0·0	2·605	·67	+0·01	3	9·37	50.10763
6691	7·8	18 29 55·99	−0·01	+4·5010	−0·008	−0·006	−47 9 20·8	0·0	+2·611	+0·65	−0·03	3	8·49	47. 8961
6692	9·1	30 1·27	0·00	4·3563	·007	−0·002	44 5 58·1	0·0	2·619	·63	−0·01	3	8·53	44. 9239
6693	7·5	30 14·14	0·00	4·2193	·006	0·000	40 53 4·4	−0·2	2·637	·61	−0·05	7	6·92	40. 8612
6694	8·0	30 29·02	−0·02	4·3093	·007	−0·010	43 2 15·6	0·0	2·659	·62	−0·01	5	7·58	43. 8691
6695	8·8	30 29·79	...	4·4735	·008	...	46 36 38·4	...	2·660	·65	...	3	8·40	46. 9402
6696	9·0	18 30 36·46	−0·01	+4·4123	−0·008	−0·007	−45 19 51·6	−0·1	+2·669	+0·64	−0·06	3	8·55	45. 9387
6697	8·0*	30 39·35	−0·01	4·2523	·007	−0·004	41 41 46·2	−0·2	2·674	·61	−0·06	5	6·58	41. 8731
6698	9·0*	30 40·51	−0·01	4·2065	·006	−0·004	40 34 23·5	0·0	2·675	·61	0·00	5	6·66	40. 8614
6699	9·8	30 44·36	...	4·5299	·009	...	47 44 23·7	...	2·681	·65	...	3	8·53	47. 8968
6700	7·2	30 53·44	0·00	4·5853	·010	0·000	48 48 14·0	0·0	2·694	·66	−0·03	3	9·29	48. 9895
6701	8·3	18 30 53·49	0·00	+4·6248	−0·010	−0·002	−49 32 5·8	0·0	+ 2·694	+0·67	+0·06	3	9·46	49.10676
6702	9·0	30 58·95	−0·02	4·3731	·008	−0·012	44 29 11·9	0·0	2·702	·63	−0·02	3	8·49	44. 9246
6703	6·5*	31 40·20	0·00	4·5422	·010	0·000	47 59 45·3	0·0	2·761	·66	+0·02	5	9·49	48. 9900
6704	9·5*	31 42·03	−0·02	4·3303	·007	−0·006	43 32 28·2	−0·2	2·764	·62	−0·07	5	6·60	43. 8700
6705	9·3	31 51·79	...	4·6885	·011	...	50 40 58·4	...	2·778	·68	...	3	9·47	50.10778
6706	8·4	18 32 5·64	−0·01	+4·4349	−0·009	−0·006	−45 50 10·8	+0·2	+2·798	+0·64	+0·14	3	8·40	45. 9398
6707	8·2	32 14·08	−0·01	4·7502	·012	−0·008	51 44 21·3	0·0	2·810	·69	−0·07	3	9·37	51.10959
6708	9·9	32 16·85	...	4·6423	·011	...	49 52 27·5	...	2·814	·67	...	3	9·59	49.10695
6709	8·0*	32 18·92	−0·01	4·1825	·006	−0·002	39 59 46·5	−0·4	2·817	·60	−0·11	5	6·63	40. 8617
6710	9·0*	32 23·91	−0·02	4·2440	·007	−0·005	41 31 34·8	−0·1	2·824	·61	−0·02	5	6·69	41. 8740
6711	9·6	18 32 42·85	...	+4·4740	−0·009	...	−46 39 29·1	...	+2·852	+0·65	...	3	8·49	46. 9421
6712	8·7	33 7·54	−0·01	4·7217	·012	−0·009	51 16 28·9	0·0	2·887	·68	−0·02	3	9·29	51.10966
6713	7·3	33 33·91	0·00	4·6798	·011	−0·007	50 33 42·8	0·0	2·925	·67	−0·04	3	9·37	50.10790
6714	9·1	33 47·75	−0·01	4·5076	·010	−0·008	47 21 15·4	−0·1	2·945	·65	−0·05	3	8·48	47. 8997
6715	7·8	33 56·32	0·00	4·5498	·010	−0·008	48 10 57·9	−0·1	2·958	·66	−0·12	3	9·54	48. 9917
6716	8·3	18 33 58·14	...	+4·4098	−0·009	...	−45 20 15·2	...	+2·960	+0·64	...	3	8·41	45. 9413
6717*	7·5*	34 6·13	+0·01	4·2732	·008	+0·002	42 15 29·6	−0·1	2·972	·62	−0·04	5	6·58	42. 8453
6718	9·0	34 7·39	...	4·5971	·011	...	49 4 52·9	...	2·974	·66	...	3	9·56	49.10702
6719	8·3†	34 17·27	−0·01	4·2914	·008	−0·004	42 41 23·7	−0·2	2·988	·62	−0·07	5	6·63	42. 8457
6720	8·8	34 18·53	...	4·5780	·011	...	48 43 35·8	...	2·990	·66	...	3	9·29	48. 9919

6717. $7^m·9, 8^m·9$ 1″·0 133° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″				°
6721	7·2	18 34 50·24	−0·01	+4·5318	−0·010	−0·008	−47 51 12·2	−0·1	+3·036	+0·65	−0·05	3	8·48	47. 9008
6722	9·5*	34 54·38	−0·01	4·2549	·008	−0·004	41 50 15·2	+0·1	3·041	·61	+0·02	5	6·68	41. 8752
6723	8·3†	35 7·93	−0·01	4·3345	·008	−0·004	43 41 59·5	−0·2	3·061	·62	−0·07	5	6·60	43. 8726
6724	8·8	35 14·33	−0·02	4·3627	·009	−0·010	44 20 6·8	0·0	3·070	·63	+0·01	3	8·41	44. 9285
6725	9·0*	35 25·57	−0·05	4·2087	·007	−0·016	40 41 27·0	+0·4	3·086	·61	+0·11	5	6·64	40. 8625
6726	9·0	18 35 43·92	0·00	+4·4390	−0·010	−0·001	−45 59 24·6	+0·2	+3·113	+0·64	+0·12	3	8·51	46. 9438
6727	8·6	35 58·79	...	4·4926	·010	...	47 5 47·5	...	3·134	·65	...	3	8·49	47. 9020
6728	8·9	37 1·72	...	4·4035	·010	...	45 15 42·5	...	3·225	·63	...	3	8·40	45. 9440
6729	8·9	37 3·93	0·00	4·6775	·013	−0·003	50 35 21·3	0·0	3·228	·67	+0·01	3	9·29	50.10809
6730	8·8	37 10·59	0·00	4·7279	·013	−0·004	51 27 23·7	0·0	3·238	·68	−0·01	3	9·37	51.10992
6731	8·5*	18 37 18·07	−0·01	+4·2213	−0·008	−0·002	−41 3 50·6	−0·1	+3·248	+0·61	−0·02	5	6·58	41. 8759
6732	9·0	37 19·77	0·00	4·4726	·011	−0·003	46 43 4·6	−0·1	3·251	·64	−0·05	3	8·49	46. 9448
6733	9·0*	37 25·80	0·00	4·2881	·009	+0·001	42 40 33·3	−0·1	3·259	·62	−0·04	5	6·64	42. 8473
6734	7·7†	37 34·94	...	4·2402	·008	...	41 31 57·0	...	3·272	·61	...	5	6·69	41. 8761
6735	8·1	37 35·56	0·00	4·5938	·012	−0·007	49 5 18·2	0·0	3·273	·66	−0·07	3	9·53	49.10719
6736	8·8	18 37 48·95	−0·03	+4·1831	−0·008	−0·011	−40 7 1·6	+0·1	+3·293	+0·60	+0·05	5	7·22	40. 8636
6737	7·7	37 58·09	0·00	4·5653	·012	−0·003	48 33 34·7	0·0	3·306	·66	−0·02	3	9·45	48. 9934
6738	6·5*	38 6·72	0·00	4·6984	·013	−0·004	50 58 25·5	0·0	3·318	·67	−0·02	5	9·45	50.10815
6739	8·8	38 9·75	0·00	4·3836	·010	−0·002	44 51 13·2	0·0	3·323	·63	−0·03	3	8·40	44. 9299
6740	8·5	38 30·81	+0·03	4·4604	·011	+0·023	47 9 4·8	−0·1	3·353	·64	−0·04	3	8·49	47. 9038
6741	9·6	18 38 37·51	...	+4·5239	−0·012	...	−47 46 15·2	...	+3·362	+0·65	...	3	8·54	47. 9039
6742	7·4	38 53·32	0·00	4·3589	·010	0·000	44 19 28·7	−0·1	3·385	·62	−0·05	3	8·54	44. 9305
6743	7·0*	38 54·96	0·00	4·2865	·009	−0·001	42 40 7·5	−0·2	3·388	·61	−0·05	5	6·59	42. 8486
6744	8·5†	39 10·96	...	4·2666	·009	...	42 12 12·1	...	3·411	·61	...	5	6·86	42. 8488
6745	7·3	39 14·40	0·00	4·6528	·013	+0·001	50 11 50·8	0·0	3·415	·67	−0·04	3	9·29	50.10822
6746	9·5	18 39 30·42	...	+4·5863	−0·013	...	−48 59 18·5	...	+3·439	+0·66	...	3	9·53	49.10735
6747	8·0	39 33·79	+0·01	4·3390	·010	+0·002	43 53 28·3	−0·4	3·443	·62	−0·12	9	6·97	43. 8758
6748	7·8	39 42·25	0·00	4·6265	·013	−0·006	49 44 5·6	0·0	3·456	·66	−0·01	3	9·37	49.10737
6749	9·1	39 42·68	0·00	4·4398	·011	−0·002	46 5 20·1	0·0	3·456	·64	−0·02	3	8·47	46. 9472
6750	9·3	40 4·78	0·00	4·4135	·011	−0·003	45 32 25·1	0·0	3·488	·63	0·00	3	8·51	45. 9462
6751	9·4	18 40 10·16	...	+4·5076	−0·012	...	−47 29 2·6	...	+3·496	+0·65	...	3	8·55	47. 9047
6752	9·3	40 21·62	−0·01	4·3812	·010	−0·005	44 50 51·4	0·0	3·512	·63	0·00	3	8·54	44. 9316
6753	10·0	40 38·80	...	4·7514	·015	...	51 55 21·7	...	3·537	·68	...	3	9·53	51.11017
6754	5·5†	40 45·15	−0·01	4·1962	·009	−0·004	40 30 45·3	−0·1	3·546	·60	−0·03	5	6·61	40. 8648
6755	8·5	40 55·20	−0·01	4·7101	·015	−0·012	51 14 0·3	0·0	3·560	·67	+0·02	3	9·29	51.11019
6756	8·3	18 41 3·16	−0·01	+4·4612	−0·012	−0·007	−46 33 49·7	0·0	+3·572	+0·64	0·00	3	8·40	46. 9484
6757	8·8	41 30·03	−0·01	4·3460	·010	−0·005	44 5 35·4	−0·1	3·610	·62	−0·05	3	8·49	44. 9327
6758	5·5*	41 37·50	0·00	4·3324	·010	0·000	43 47 19·4	−0·1	3·621	·62	−0·02	5	6·66	43. 8775
6759	8·0*	41 48·43	−0·02	4·2329	·009	−0·007	41 26 46·5	+0·1	3·637	·61	+0·03	5	6·61	41. 8780
6760	9·5	41 52·38	...	4·2994	·010	...	43 2 13·4	...	3·642	·61	...	5	7·58	43. 8777

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6761	7·2	18 42 4·13	0·00	+4·4293	−0·012	−0·001	−45 55 19·3	+0·1	+3·659	+0·63	+0·06	3	8·40	45. 9479
6762	8·6	42 13·55	...	4·6441	·014	...	50 6 31·0	...	3·673	·66	...	3	9·29	50.10845
6763	8·6	42 57·58	0·00	4·5560	·013	−0·002	48 29 29·6	0·0	3·736	·65	−0·07	3	9·44	48. 9961
6764	7·5*	43 2·05	+0·01	4·2680	·010	+0·002	42 19 22·5	−0·2	3·742	·61	−0·07	5	6·60	42. 8507
6765	7·7	43 9·40	−0·01	4·5249	·013	−0·008	47 53 34·2	0·0	3·753	·65	−0·02	3	8·40	47. 9073
6766	8·3	18 43 41·30	−0·01	+4·3913	−0·012	−0·005	−45 8 43·8	−0·1	+3·798	+0·63	−0·05	3	8·49	45. 9493
6767	8·9	43 46·19	0·00	4·6299	·015	−0·002	49 53 18·0	0·0	3·805	·66	+0·01	6	9·46	49.10762
6768	9·3	44 12·50	...	4·4958	·013	...	47 20 29·5	...	3·843	·64	...	3	8·51	47. 9086
6769	9·1†	44 28·23	−0·01	4·3314	·011	−0·002	43 49 58·6	−0·2	3·865	·62	−0·07	5	6·66	43. 8798
6770	8·3†	44 39·71	...	4·1734	·009	...	40 1 24·8	...	3·882	·60	...	6	6·82	40. 8663
6771	8·8	18 44 43·84	0·00	+4·5572	−0·014	−0·006	−48 33 25·0	−0·1	+3·888	+0·65	−0·14	3	9·29	48. 9968
6772	9·2	44 44·71	...	4·7363	·017	...	51 45 53·7	...	3·889	·68	...	3	9·54	51.11040
6773	8·1	44 45·50	−0·01	4·3744	·012	−0·006	44 48 8·4	0·0	3·890	·62	−0·03	3	8·50	44. 9353
6774	6·0*	45 1·15	0·00	4·4638	·013	0·000	46 42 45·3	0·0	3·913	·64	−0·02	3	8·40	46. 9512
6775	8·2	45 5·34	0·00	4·3582	·012	+0·002	44 27 11·9	0·0	3·918	·62	−0·01	3	8·53	44. 9361
6776	7·0*	18 45 7·96	−0·01	+4·2452	−0·010	−0·003	−41 49 32·5	−0·1	+3·922	+0·60	−0·03	8	7·02	41. 8794
6777	9·6	45 12·01	...	4·6702	·016	...	50 38 29·4	...	3·928	·67	...	3	9·45	50.10860
6778	8·6	45 33·50	...	4·4144	·013	...	45 41 21·5	...	3·959	·63	...	3	8·51	45. 9503
6779	8·0*	45 53·64	0·00	4·2248	·010	+0·001	41 20 43·0	0·0	3·988	·60	−0·01	5	6·64	41. 8799
6780	9·4	46 27·09	...	4·3857	·012	...	45 5 34·9	...	4·035	·62	...	3	8·49	45. 9513
6781	8·3	18 46 31·59	0·00	+4·6209	−0·016	−0·004	−49 47 27·7	0·0	+4·042	+0·66	−0·02	3	9·29	49.10780
6782*	7·3	46 32·72	−0·01	4·4955	·014	−0·007	47 23 40·2	−0·1	4·043	·64	−0·04	3	8·40	47. 9096
6783	7·7	47 8·43	0·00	4·5810	·015	−0·003	49 4 12·4	0·0	4·094	·65	0·00	5	9·46	49.10784
6784	9·5	47 11·29	...	4·7059	·017	...	51 18 34·9	...	4·098	·67	...	3	9·52	51.11054
6785	9·0*	47 31·76	−0·01	4·3282	·012	−0·002	43 50 18·7	−0·1	4·128	·62	−0·03	5	6·62	43. 8812
6786	9·2	18 47 32·67	...	+4·4313	−0·013	...	−46 5 59·7	...	+4·129	+0·63	...	3	8·48	46. 9524
6787	8·1	47 36·44	−0·01	4·6411	·016	−0·009	50 11 6·9	0·0	4·134	·66	0·00	3	9·29	50.10881
6788	9·1	47 38·23	0·00	4·5116	·014	−0·003	47 44 34·2	−0·2	4·137	·64	−0·13	3	8·53	47. 9102
6789	8·4†	47 38·28	...	4·1726	·010	...	40 3 4·9	...	4·137	·59	...	5	6·69	40. 8688
6790	9·0	48 3·21	...	4·2385	·011	...	41 44 16·9	...	4·172	·60	...	5	7·04	41. 8814
6791	9·0*	18 48 46·24	0·00	+4·2590	−0·011	−0·001	−42 15 10·9	−0·3	+4·234	+0·61	−0·08	5	6·69	42. 8537
6792	8·5	48 50·95	−0·02	4·3909	·013	−0·010	45 16 11·9	0·0	4·241	·62	−0·02	3	8·48	45. 9532
6793	8·5	48 52·46	−0·01	4·6942	·018	−0·013	51 9 12·2	0·0	4·243	·67	+0·01	3	9·29	51.11062
6794	7·2	48 54·70	0·00	4·5811	·016	−0·006	49 7 5·7	0·0	4·246	·65	−0·05	3	9·37	49.10793
6795	8·1	49 5·18	0·00	4·5330	·015	0·000	48 12 10·8	0·0	4·261	·64	0·00	3	9·53	48. 9987
6796	6·0*	18 49 9·45	−0·01	+4·2831	−0·012	−0·002	−42 50 13·0	−0·1	+4·267	+0·61	−0·05	7	7·19	42. 8539
6797	9·4	49 14·68	−0·01	4·4229	·014	−0·005	45 57 57·4	0·0	4·274	·63	+0·02	3	8·52	45. 9535
6798	9·3	49 21·91	...	4·3728	·013	...	44 53 20·1	...	4·285	·62	...	3	8·57	44. 9397
6799	8·0*	49 28·12	−0·01	4·1955	·011	−0·003	40 42 33·0	−0·1	4·294	·60	−0·04	5	7·23	40. 8699
6800	9·3	49 37·86	...	4·4581	·014	...	46 42 56·1	...	4·307	·63	...	3	8·56	46. 9540

6782. $7^m{\cdot}4$, $10^m{\cdot}2$ 1″·7 183° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6801	7·9	18 49 40·28	0·00	+4·4976	−0·015	+0·001	−47 31 9·5	−0·1	+4·311	+0·64	−0·05	3	8·58	47. 9108
6802	9·0*	49 56·79	0·00	4·2976	·012	+0·001	43 12 0·1	−0·4	4·334	·61	−0·14	5	6·87	43. 8834
6803	9·6	50 1·49	...	4·6762	·018	...	50 52 16·7	...	4·341	·66	...	3	9·45	50.10892
6804	9·4	50 2·86	...	4·6170	·017	...	49 48 53·6	...	4·343	·66	...	3	9·29	49.10801
6805	7·9	50 3·38	0·00	4·3513	·013	−0·002	44 25 48·1	−0·1	4·344	·62	−0·05	3	8·49	44. 9402
6806	9·1	18 50 18·63	...	+4·5624	−0·016	...	−48 48 3·5	...	+4·365	+0·65	...	3	9·54	48. 9995
6807	9·5	50 28·24	...	4·1810	·011	...	40 22 5·8	...	4·379	·59	...	5	7·04	40. 8704
6808	8·0*	50 51·22	−0·01	4·2574	·012	−0·003	42 16 14·9	−0·3	4·412	·60	−0·08	5	6·66	42. 8546
6809	9·4	51 0·37	...	4·7165	·019	...	51 35 35·3	...	4·425	·67	...	3	9·30	51.11071
6810	9·0	51 2·08	−0·01	4·4400	·015	−0·005	46 22 38·1	−0·1	4·427	·63	−0·04	3	8·49	46. 9551
6811	9·1	18 51 39·51	...	+4·6513	−0·018	...	−50 28 33·3	...	+4·480	+0·66	...	3	9·53	50.10908
6812	8·5*	51 41·39	−0·02	4·2331	·012	−0·006	41 42 15·4	+0·1	4·483	·60	+0·04	5	6·86	41. 8833
6813	9·0	51 54·30	−0·02	4·2224	·012	−0·006	41 26 48·6	+0·1	4·501	·60	+0·05	5	7·22	41. 8836
6814	8·9	52 12·99	−0·02	4·3416	·014	−0·016	44 16 22·9	+0·1	4·528	·61	+0·06	3	8·49	44. 9416
6815	8·5	52 19·05	0·00	4·5915	·017	−0·007	49 24 27·2	0·0	4·537	·65	−0·03	3	9·29	49.10816
6816	8·3	18 52 19·36	−0·01	+4·4912	−0·016	−0·004	−47 27 52·5	−0·1	+4·537	+0·64	−0·04	3	8·56	47. 9121
6817	8·1	52 33·58	+0·01	4·4669	·015	+0·004	46 58 47·1	−0·1	4·557	·63	−0·05	5	8·54	47. 9123
6818	8·3	52 34·83	...	4·5546	·017	...	48 43 1·1	...	4·559	·64	...	3	9·37	48.10011
6819	9·0	52 41·84	...	4·3172	·013	...	43 43 55·6	...	4·569	·61	...	5	7·40	43. 8853
6820	8·0*	52 42·54	−0·01	4·1939	·012	−0·003	40 45 27·5	−0·1	4·570	·59	−0·03	5	6·69	40. 8714
6821	7·8	18 53 5·31	0·00	+4·5384	−0·017	−0·005	−48 25 14·7	0·0	+4·602	+0·64	−0·04	3	9·53	48.10014
6822	9·4	53 5·83	...	4·4178	·015	...	45 58 8·1	...	4·603	·63	...	3	8·49	46. 9565
6823	8·5	53 32·31	0·00	4·6395	·018	−0·005	50 19 12·6	0·0	4·641	·66	0·00	3	9·29	50.10919
6824	9·1†	53 47·67	...	4·2553	·013	...	42 18 20·0	...	4·662	·60	...	5	6·69	42. 8557
6825	8·0	54 18·40	−0·01	4·3834	·015	−0·007	45 15 45·9	0·0	4·706	·62	−0·02	3	8·50	45. 9575
6826	9·0	18 54 32·81	−0·03	+4·3076	−0·014	−0·011	−43 33 53·9	−0·1	+4·726	+0·61	−0·03	5	7·40	43. 8869
6827	8·8	54 48·98	...	4·4544	·016	...	46 47 26·7	...	4·749	·63	...	3	8·54	46. 9578
6828	7·5*	55 2·94	−0·02	4·1929	·012	−0·006	40 48 12·1	−0·1	4·769	·59	−0·04	5	6·68	40. 8728
6829	9·1	55 3·86	−0·01	4·5115	·017	−0·005	47 57 5·7	0·0	4·770	·64	0·00	5	8·58	47. 9145
6830	7·0*	55 4·49	0·00	4·2432	·013	+0·001	42 3 3·9	−0·1	4·771	·60	−0·02	5	7·42	42. 8564
6831	8·5	18 55 9·00	0·00	+4·3381	−0·014	+0·001	−44 16 56·8	+0·1	+4·777	+0·61	+0·08	3	8·58	44. 9430
6832	9·1	55 11·75	−0·01	4·4329	·016	−0·006	46 20 58·9	0·0	4·781	·63	0·00	3	8·53	46. 9582
6833	8·6	55 17·85	−0·01	4·7282	·021	−0·018	51 54 49·8	0·0	4·790	·67	−0·06	5	9·34	51.11099
6834	9·6	55 21·99	...	4·3646	·015	...	44 52 49·0	...	4·796	·62	...	3	8·57	44. 9431
6835	8·0†	55 24·16	...	4·2168	·012	...	41 24 41·8	...	4·799	·60	...	5	7·60	41. 8852
6836*	8·5*	18 55 35·21	+ 0·01	+4·2573	−0·013	+0·004	−42 24 29·6	0·0	+4·815	+0·60	−0·01	5	7·22	42. 8570
6837	7·8	55 43·74	0·00	4·6435	·019	−0·002	50 27 32·5	0·0	4·827	·66	−0·02	3	9·45	50.10932
6838	7·5	55 43·79	− 0·01	4·4725	·017	−0·005	47 11 26·7	−0·2	4·827	·63	−0·13	3	8·55	47. 9147
6839*	7·8	55 45·17	0·00	4·4087	·016	−0·001	45 51 14·9	−0·1	4·829	·62	−0·04	3	8·54	45. 9582
6840	9·4	55 49·47	...	4·5958	·019	...	49 35 30·5	...	4·835	·65	...	3	9·55	49.10833

6836. $9^m·2, 9^m·4$ 2″·2 180° Mass observed.

6839. $8^m·9, 9^m·5$ 1″·5 279° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6841	6·0*	18 56 9·81	0·00	+4·6825	−0·020	−0·003	−51 9 31·0	−0·1	+ 4·864	+0·66	−0·14	3	9·29	51.11104
6842	9·4	56 16·48	...	4·5639	·018	...	49 0 21·0	...	4·873	·64	...	3	9·46	49.10835
6843	7·7	56 27·72	0·00	4·4473	·016	−0·002	46 41 34·4	0·0	4·889	·63	−0·01	3	8·50	46. 9588
6844	8·5*	56 51·60	−0·07	4·1747	·012	−0·023	40 23 45·4	−0·2	4·923	·59	−0·06	6	6·82	40. 8742
6845	7·2	57 6·65	0·00	4·5388	·018	+0·001	48 32 57·4	0·0	4·944	·64	−0·04	3	9·29	48.10029
6846	8·5	18 57 19·30	0·00	+4·4951	−0·017	+0·001	−47 41 42·8	−0·1	+ 4·962	+0·63	−0·05	3	8·54	47. 9160
6847	9·3	57 48·98	0·00	4·2868	·014	0·000	43 10 55·8	−0·3	5·004	·60	−0·11	5	7·58	43. 8894
6848	9·2	57 49·36	+0·01	4·3794	·016	+0·006	45 17 2·6	0·0	5·004	·62	+0·01	3	8·50	45. 9601
6849	8·6	57 53·64	+0·01	4·3225	·015	+0·004	44 0 44·6	−0·1	5·010	·61	−0·07	5	8·56	44. 9448
6850	8·3	58 0·76	...	4·5892	·019	...	49 32 13·2	...	5·020	·65	...	3	9·37	49.10844
6851	9·2†	18 58 15·61	...	+4·2519	−0·014	...	−42 21 44·6	...	+ 5·041	+0·60	...	5	6·68	42. 8589
6852	9·8	58 27·52	...	4·3108	·015	...	43 45 44·1	...	5·058	·61	...	5	7·60	43. 8898
6853	7·5	58 49·05	0·00	4·7015	·021	−0·001	51 34 4·9	0·0	5·088	·66	0·00	3	9·37	51.11113
6854	9·1	58 58·05	...	4·5126	·018	...	48 5 51·0	...	5·101	·63	...	3	9·53	48.10043
6855	8·5	59 5·29	−0·01	4·4153	·017	−0·006	46 6 6·3	0·0	5·111	·62	+0·02	3	8·52	46. 9611
6856	6·5*	18 59 11·95	0·00	+4·6379	−0·021	−0·006	−50 28 24·7	0·0	+ 5·121	+0·65	−0·04	3	9·38	50.10955
6857	7·5*	59 37·01	−0·02	4·2752	·015	−0·005	42 57 53·7	−0·2	5·156	·60	−0·07	6	6·83	43. 8906
6858	9·0	59 40·55	...	4·6667	·021	...	50 59 36·1	...	5·161	·65	...	3	9·44	51.11116
6859	8·0	59 43·51	0·00	4·2225	·014	0·000	41 41 28·5	−0·1	5·165	·59	−0·05	5	7·23	41. 8881
6860	9·0*	59 46·62	−0·02	4·1818	·013	−0·010	40 40 10·3	−0·2	5·169	·59	−0·07	4	7·59	40. 8768
6861	7·5	18 59 54·18	0·00	+4·4904	−0·018	−0·002	−47 41 8·0	0·0	+ 5·180	+0·63	−0·02	3	8·54	47. 9174
6862	8·0	59 55·60	0·00	4·3356	·016	−0·002	44 22 41·2	0·0	5·182	·61	0·00	3	8·54	44. 9463
6863	9·2†	19 0 12·76	...	4·2868	·015	...	43 15 34·6	...	5·207	·60	...	5	7·62	43. 8910
6864	8·4	0 33·04	...	4·3844	·017	...	45 29 2·0	...	5·235	·61	...	3	8·57	45. 9616
6865	9·3	0 39·81	...	4·5189	·019	...	48 16 44·7	...	5·245	·63	...	3	9·46	48.10059
6866	8·3	19 0 47·30	−0·01	+4·5805	−0·020	−0·012	−49 27 56·5	0·0	+ 5·255	+0·64	−0·05	3	9·29	49.10862
6867	9·8	0 50·58	...	4·4316	·018	...	46 30 16·3	...	5·260	·62	...	3	8·54	46. 9622
6868	9·3	0 50·61	...	4·4641	·018	...	47 10 59·0	...	5·260	·63	...	3	8·58	47. 9183
6869	9·1	1 38·77	0·00	4·3436	·016	−0·003	44 37 2·9	0·0	5·328	·61	−0·03	3	8·53	44. 9475
6870	9·5*	1 39·30	−0·03	4·2178	·014	−0·010	41 38 23·0	0·0	5·328	·59	0·00	5	6·68	41. 8901
6871	9·3	19 1 41·17	0·00	+4·7000	−0·023	−0·005	−51 38 10·7	0·0	+ 5·331	+0·66	+0·04	3	9·29	51.11134
6872	8·5	1 45·29	−0·01	4·2562	·015	−0·005	42 34 52·5	−0·4	5·337	·60	−0·15	5	7·23	42. 8610
6873	9·0	1 59·98	−0·01	4·3148	·016	−0·003	43 58 26·8	0·0	5·357	·60	0·00	5	7·59	44. 9480
6874	8·4	2 16·48	0·00	4·5445	·020	−0·004	48 49 53·5	0·0	5·380	·64	−0·03	3	9·45	48.10069
6875	8·9	2 43·85	0·00	4·6403	·022	−0·006	50 37 42·0	0·0	5·419	·65	+0·03	3	9·29	50.10979
6876	6·5*	19 2 55·07	−0·01	+4·2327	−0·015	−0·005	−42 3 4·3	−0·1	+ 5·434	+0·59	−0·02	8	7·16	42. 8616
6877	9·5	2 56·83	−0·02	4·1555	·014	−0·007	40 5 57·2	−0·2	5·437	·58	−0·06	5	7·21	40. 8798
6878	9·2	3 10·14	+0·01	4·3971	·018	+0·010	45 51 0·5	−0·1	5·456	·61	−0·10	3	8·52	45. 9627
6879	8·8	3 32·88	−0·01	4·6023	·022	−0·009	49 57 52·9	0·0	5·488	·64	−0 04	3	9·37	50.10984
6880	8·0	3 44·25	−0·01	4·4880	·020	−0·004	47 46 4·3	−0·1	5·503	·63	−0·09	3	8·55	47. 9197

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6881	8·9	19 3 46·48	−0·01	+4·3646	−0·017	−0·006	−45 9 37·4	−0·1	+ 5·506	+0·61	−0·05	3	8·57	45. 9628
6882	8·5†	4 15·71	...	4·1995	·015	...	41 16 24·0	...	5·547	·59	...	5	6·67	41. 8930
6883	9·6	4 21·01	...	4·2974	·016	...	43 39 4·2	...	5·555	·60	...	5	7·58	43. 8926
6884	8·4	4 36·30	0·00	4·4161	·018	−0·002	46 18 28·0	−0·1	5·576	·62	−0·07	3	8·52	46. 9642
6885	9·3	4 41·66	...	4·4414	·019	...	46 50 47·4	...	5·584	·62	...	3	8·57	46. 9643
6886	9·5	19 4 42·44	...	+4·5232	−0·020	...	−48 30 6·8	...	+ 5·585	+0·63	...	3	9·29	48.10082
6887	9·0*	4 53·86	−0·03	4·2144	·015	−0·008	41 40 12·5	−0·1	5·601	·59	−0·03	5	6·69	41. 8938
6888	9·5	4 54·11	...	4·3154	·017	...	44 5 16·7	...	5·601	·60	...	3	8·59	44. 9502
6889	9·1	4 55·38	−0·01	4·3465	·017	−0·007	44 47 50·3	0·0	5·603	·61	−0·01	3	8·61	44. 9503
6890	8·6	5 19·22	...	4·6045	·022	...	50 4 5·6	...	5·636	·64	...	3	9·45	50.10997
6891	8·3	19 5 24·75	−0·01	+4·3744	−0·018	−0·007	−45 26 6·3	−0·1	+ 5·644	+0·61	−0·07	3	8·52	45. 9640
6892	8·6	5 46·43	0·00	4·6968	·024	+0·002	51 43 30·2	0·0	5·675	·65	−0·04	3	9·53	51.11160
6893	8·5	5 48·78	0·00	4·6536	·023	−0·010	50 58 23·8	0·0	5·678	·65	+0·03	3	9·55	51.11161
6894	8·7	5 50·78	0·00	4·5636	·022	−0·001	49 19 22·8	0·0	5·681	·64	−0·07	3	9·37	49.10894
6895	8·0*	6 15·03	−0·03	4·1824	·015	−0·008	40 54 27·6	−0·3	5·715	·58	−0·08	5	6·64	40. 8835
6896	8·0	19 6 15·31	0·00	+4·4604	−0·020	+0·001	−47 17 52·4	−0·2	+ 5·715	+0·62	−0·16	3	8·55	47. 9212
6897	8·5	6 16·06	−0·01	4·2732	·016	−0·003	43 9 8·5	0·0	5·716	·59	+0·01	5	7·58	43. 8936
6898	9·0*	6 27·76	−0·01	4·2552	·016	−0·004	42 43 40·6	−0·4	5·732	·59	−0·11	5	6·69	42. 8663
6899	9·5*	6 35·02	−0·03	4·3029	·017	−0·010	43 51 44·0	−0·3	5·742	·60	−0·09	5	6·90	43. 8941
6900	9·2	7 2·74	−0·01	4·3317	·018	−0·005	44 32 30·5	−0·1	5·780	·60	−0·06	3	8·52	44. 9513
6901	6·5*	19 7 23·20	+0·01	+4·3677	−0·018	+0·006	−45 21 44·6	−0·1	+ 5·810	+0·61	−0·07	3	8·55	45. 9650
6902	7·1	7 26·59	0·00	4·5505	·022	−0·003	49 7 58·8	0·0	5·814	·63	0·00	3	9·45	49.10903
6903	7·8	7 45·59	0·00	4·4944	·021	−0·002	48 2 41·7	−0·1	5·841	·62	−0·09	5	9·39	48.10097
6904	10·0*	7 55·73	−0·02	4·2435	·016	−0·006	42 29 58·0	−0·1	5·855	·59	−0·04	5	6·70	42. 8685
6905	8·0	7 58·44	0·00	4·1649	·015	0·000	40 31 32·8	−0·3	5·859	·58	−0·08	6	6·82	40. 8853
6906	9·5	19 8 13·88	−0·02	+4·4112	−0·020	−0·015	−46 20 25·6	0·0	+ 5·881	+0·61	−0·02	3	8·52	46. 9665
6907	8·9	8 23·01	0·00	4·6392	·024	−0·009	50 48 39·8	0·0	5·893	·64	−0·01	3	9·45	50.11015
6908	9·1	8 33·95	...	4·4726	·021	...	47 38 6·8	...	5·908	·62	...	3	8·56	47. 9224
6909	6·0*	9 4·86	0·00	4·3774	·019	−0·003	45 38 24·4	0·0	5·952	·61	−0·01	3	8·52	45. 9660
6910	8·3	9 6·59	0·00	4·6018	·024	+0·001	50 9 36·5	0·0	5·954	·64	−0·03	3	9·37	50.11021
6911	9·4	19 9 17·83	...	+4·1519	−0·015	...	−40 14 26·8	...	+ 5·969	+0·58	...	5	7·58	40. 8869
6912	8·1	9 18·01	0·00	4·5301	·022	−0·001	48 48 29·9	0·0	5·970	·63	−0·05	3	9·55	48.10107
6913	10·0*	9 19·02	−0·05	4·2857	·017	−0·015	43 33 50·4	−0·2	5·971	·59	−0·05	5	6·65	43. 8957
6914	9·0*	9 24·51	−0·02	4·2099	·016	−0·007	41 43 46·7	−0·3	5·979	·58	−0·09	5	6·68	41. 8982
6915	9·0	9 35·43	−0·01	4·3434	·019	−0·006	44 54 17·8	+0·1	5·994	·60	+0·04	5	8·57	44. 9528
6916	8·1	19 9 38·42	0·00	+4·6854	−0·026	−0·006	−51 40 19·1	0·0	+ 5·998	+0·65	−0·03	3	9·45	51.11186
6917	8·7	9 48·95	0·00	4·5803	·024	−0·006	49 47 18·2	0·0	6·013	·63	−0·04	3	9·37	49.10915
6918	9·0	9 58·49	−0·01	4·4325	·020	−0·004	46 51 28·6	0·0	6·026	·61	−0·02	3	8·56	46. 9676
6919	8·5*	10 19·87	−0·02	4·1508	·015	−0·005	40 14 59·5	−0·4	6·056	·58	−0·12	5	6·66	40. 8881
6920	9·0	10 20·75	−0·02	4·2545	·017	−0·007	42 51 27·4	0·0	6·057	·59	0·00	5	7·05	42. 8711

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6921	8·4	19 10 31·48	...	+4·5008	−0·022	...	−48 16 39·3	...	+6·072	+0·62	...	3	9·37	48.10116
6922	7·0	10 35·17	0·00	4·4501	·021	0·000	47 15 5·8	0·0	6·077	·62	−0·03	3	8·56	47. 9235
6923	8·0	10 43·73	−0·01	4·3818	·020	−0·007	45 48 6·7	−0·1	6·089	·61	−0·05	3	8·57	45. 9671
6924	8·8	10 47·77	−0·01	4·4644	·021	−0·006	47 33 18·3	0·0	6·095	·62	−0·01	3	8·58	47. 9236
6925	9·3	11 43·79	0·00	4·5396	·023	−0·002	49 5 17·2	0·0	6·172	·63	+0·04	3	9·29	49.10931
6926	9·7	19 11 45·30	...	+4·3137	−0·019	...	−44 18 47·1	...	+6·174	+0·60	...	3	8·55	44. 9541
6927	7·4	11 49·50	+0·01	4·3984	·020	+0·004	46 12 18·2	−0·1	6·180	·61	−0·07	3	8·55	46. 9687
6928	6·5*	11 49·91	0·00	4·6851	·026	−0·004	51 45 7·3	0·0	6·181	·65	−0·05	3	9·45	51.11195
6929	8·6	11 58·87	0·00	4·6155	·025	−0·003	50 31 23·9	0·0	6·193	·64	0·00	3	9·55	50.11035
6930	8·5*	12 0·50	−0·01	4·1963	·017	−0·003	41 29 12·1	−0·1	6·195	·58	−0·04	5	6·63	41. 9011
6931	9·0*	19 12 8·23	0·00	+4·2853	−0·018	0·000	−43 39 52·6	−0·2	+6·206	+0·59	−0·08	5	6·90	43. 8968
6932	8·5	12 25·86	0·00	4·1839	·016	−0·002	41 11 23·0	+0·1	6·231	·58	+0·04	5	7·60	41. 9014
6933	8·5*	12 30·66	+0·01	4·2259	·017	+0·003	42 14 46·7	−0·1	6·237	·58	−0·05	4:5	7·61	42. 8731
6934	9·7	12 45·69	...	4·4674	·022	...	47 41 48·6	...	6·258	·62	...	3	8·54	47. 9241
6935	8·8	13 26·04	0·00	4·5298	·024	−0·005	48 58 6·1	0·0	6·314	·62	+0·05	3	9·29	49.10942
6936	9·0	19 13 41·55	−0·03	+4·2405	−0·018	−0·009	−42 39 12·9	−0·2	+6·336	+0·58	−0·05	5	6·69	42. 8740
6937	7·5*	13 41·74	−0·01	4·1427	·016	−0·002	40 10 21·4	0·0	6·336	·57	0·00	6:7	6·98:7·08	40. 8920
6938	7·3	13 44·79	0·00	4·3651	·020	+0·003	45 33 26·8	−0·1	6·340	·60	−0·06	3	8·55	45. 9690
6939	8·8	13 47·42	0·00	4·2754	·018	0·000	43 30 2·5	−0·2	6·344	·59	−0·07	5	7·58	43. 8973
6940	9·3	13 55·80	−0·01	4·3340	·020	−0·008	44 51 58·1	−0·1	6·355	·60	−0·04	3	8·53	44. 9545
6941	9·8	19 13 58·78	...	+4·5685	−0·025	...	−49 44 0·0	...	+6·359	+0·63	...	3	9·53	49.10945
6942	9·4	14 39·24	0·00	4·4279	·022	−0·002	46 57 3·5	0·0	6·415	·61	+0·03	3	8·57	46. 9696
6943	6·5*	14 52·37	0·00	4·6590	·027	+0·004	51 25 6·6	0·0	6·433	·64	+0·01	3	9·29	51.11215
6944	9·4	14 55·91	...	4·3747	·021	...	45 49 5·4	...	6·438	·60	...	3	8·54	45. 9696
6945	7·0*	15 8·90	−0·03	4·2197	·018	−0·008	42 12 9·4	−0·2	6·456	·58	−0·05	5	6·65	42. 8760
6946	9·0*	19 15 30·45	−0·02	+4·1370	−0·016	−0·005	−40 5 46·2	0·0	+6·486	+0·57	0·00	5	6·68	40. 8939
6947	8·8	15 33·10	...	4·5920	·026	...	50 14 12·7	...	6·489	·63	...	3	9·45	50.11050
6948	9·0	15 38·82	0·00	4·6268	·027	−0·008	50 52 33·8	−0·1	6·497	·64	−0·11	3	9·53	50.11051
6949	8·5	15 42·82	0·00	4·4004	·022	−0·001	46 24 40·2	0·0	6·503	·60	+0·03	3	8·56	46. 9697
6950	9·8	15 48·14	...	4·1905	·017	...	41 29 48·4	...	6·510	·57	...	5	7·62	41. 9054
6951	9·3	19 15 50·76	...	+4·5203	−0·024	...	−48 53 0·6	...	+6·514	+0·62	...	3	9·29	48.10141
6952	9·3	15 52·09	...	4·4933	·024	...	48 20 52·0	...	6·516	·62	...	3	9·55	48.10142
6953	9·5	15 55·55	−0·02	4·2052	·018	−0·006	41 52 29·8	−0·3	6·520	·58	−0·10	5	7·23	41. 9058
6954	9·4	16 9·91	−0·01	4·3455	·021	−0·010	45 13 21·5	0·0	6·540	·60	−0·01	3	8·54	45. 9703
6955	9·6	16 30·94	...	4·4484	·023	...	47 27 48·2	...	6·569	·61	...	3	8·57	47. 9254
6956	4·0*	19 16 57·52	0·00	+4·1616	−0·017	0·000	−40 48 14·3	−0·5	+6·606	+0·57	−0·14	5	6·63	40. 8955
6957	6·5*	17 13·48	0·00	4·2866	·020	+0·001	43 54 51·2	−0·1	6·628	·59	−0·04	7:8	6·94:7·03	43. 8991
6958	9·2	17 16·93	0·00	4·3836	·022	−0·001	46 6 57·0	0·0	6·633	·60	−0·03	3	8·54	46. 9706
6959	9·0*	17 21·41	−0·03	4·2576	·019	−0·010	43 13 33·5	−0·5	6·639	·58	−0·16	5	6·88	43. 8992
6960	9·0	17 21·66	−0·01	4·6647	·028	−0·017	51 37 23·1	0·0	6·639	·64	−0·02	3	9·29	51.11230

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
6961	7·5	19 17 45·37	+0·01	+4·4549	−0·023	+0·005	−47 39 2·3	0·0	+6·672	+0·61	−0·02	3	8·57	47. 9260
6962	7·0	17 46·84	−0·01	4·3059	·020	−0·005	44 23 17·4	−0·1	6·674	·59	−0·04	3	8·57	44. 9555
6963	9·3	18 0·20	...	4·2355	·019	...	42 42 58·7	...	6·692	·58	...	5	6·83	42. 8792
6964	9·3	18 32·34	0·00	4·3121	·021	0·000	44 33 52·2	0·0	6·736	·59	0·00	3	8·54	44. 9556
6965	9·0*	18 57·38	−0·03	4·2083	·019	−0·008	42 4 58·5	−0·2	6·771	·57	−0·06	5	6·69	42. 8802
6966	9·4	19 18 58·27	...	+4·4383	−0·023	...	−47 21 31·2	...	+6·772	+0·61	...	3	8·55	47. 9265
6967	9·0	19 1·25	−0·02	4·1358	·017	−0·006	40 12 54·5	−0·2	6·776	·56	−0·07	5	7·03	40. 8975
6968	9·0	19 6·93	...	4·5868	·027	...	50 17 36·0	...	6·784	·63	...	3	9·30	50.11076
6969	9·3	19 11·53	−0·01	4·5486	·026	−0·012	49 34 33·8	0·0	6·790	·62	+0·04	3	9·52	49.10961
6970	7·3	19 21·73	0·00	4·4099	·023	+0·001	46 46 34·2	0·0	6·804	·60	+0·01	3	8·57	46. 9710
6971	9·8	19 19 29·47	...	+4·3618	−0·022	...	−45 43 51·5	...	+6·815	+0·59	...	3	8·54	45. 9716
6972	8·8	19 31·49	0·00	4·6615	·029	−0·005	51 39 35·5	+0·1	6·817	·64	+0·12	3	9·54	51.11243
6973	9·9	20 0·10	...	4·4233	·023	...	47 5 16·5	...	6·857	·60	...	3	8·59	47. 9273
6974	9·4	20 5·80	...	4·3385	·022	...	45 14 19·6	...	6·864	·59	...	3	8·59	45. 9718
6975	9·0*	20 26·56	−0·01	4·2213	·019	−0·004	42 28 32·4	−0·3	6·893	·58	−0·10	5	6·66	42. 8816
6976	8·9	19 20 38·25	...	+4·5104	−0·026	...	−48 53 52·4	...	+6·909	+0·61	...	3	9·30	48.10166
6977	8·0	20 50·20	0·00	4·1357	·018	−0·002	40 17 38·8	−0·3	6·925	·56	−0·14	4:5	7·59	40. 8996
6978	8·0*	20 51·96	−0·01	4·2320	·020	−0·004	42 45 37·2	0·0	6·927	·58	0·00	5	6·90	42. 8819
6979	8·2	20 59·80	0·00	4·4689	·025	−0·004	48 4 58·7	0·0	6·938	·61	−0·02	3	9·52	48.10167
6980	9·5	21 0·17	...	4·1793	·018	...	41 26 26·7	...	6·939	·57	...	5	7·62	41. 9093
6981	8·1	19 21 7·19	−0·01	+4·4015	−0·023	−0·006	−46 40 30·5	−0·1	+6·948	+0·60	−0·10	3	8·53	46. 9712
6982	8·8*	21 9·86	0·00	4·1633	·018	−0·001	41 2 6·8	0·0	6·952	·57	0·00	4:5	7·39:7·44	41. 9096
6983	9·0	21 19·55	−0·01	4·2686	·020	−0·003	43 40 12·9	−0·1	6·965	·58	−0·04	5	7·41	43. 9001
6984	9·3	21 33·96	−0·04	4·1917	·019	−0·016	41 47 5·9	−0·2	6·985	·57	−0·07	5	7·24	41. 9099
6985	9·3	22 0·61	...	4·4520	·025	...	47 47 2·0	...	7·021	·60	...	3	8·53	47. 9287
6986	9·0	19 22 16·38	...	+4·5396	−0·027	...	−49 32 38·9	...	+7·043	+0·62	...	3	9·30	49.10972
6987	6·0*	22 17·38	+0·02	4·2657	·020	+0·007	43 38 44·4	−0·4	7·044	·58	−0·15	5	7·06	43. 9005
6988	8·1	22 18·08	0·00	4·5888	·028	−0·008	50 28 28·7	0·0	7·045	·62	−0·05	3	9·52	50.11099
6989	8·9	22 25·21	0·00	4·6156	·029	0·000	50 58 15·2	0·0	7·055	·63	−0·02	3	9·54	51.11255
6990	8·0*	22 27·99	+0·01	4·1654	·019	+0·004	41 8 54·6	−0·1	7·059	·57	−0·04	8:9	7·29:7·33	41. 9111
6991	9·0	19 22 48·62	−0·02	+4·1542	−0·018	−0·007	−40 52 24·5	0·0	+7·087	+0·56	+0·01	5	7·22	40. 9023
6992*	7·9	23 4·03	0·00	4·4917	·026	−0·010	48 38 27·2	0·0	7·108	·61	−0·07	3	9·52	48.10182
6993	9·4	23 18·14	...	4·2924	·022	...	44 19 29·8	...	7·127	·58	...	3	8·57	44. 9575
6994	9·3	23 19·94	...	4·6562	·030	...	51 44 26·5	...	7·130	·63	...	3	9·38	51.11260
6995	9·6	23 40·39	...	4·4530	·025	...	47 52 53·3	...	7·157	·60	...	3	8·54	47. 9293
6996	9·0*	19 23 52·78	0·00	+4·1443	−0·018	−0·001	−40 39 45·3	−0·2	+7·174	+0·56	−0·07	5	6·70	40. 9031
6997	8·9	23 55·58	0·00	4·3128	·022	0·000	44 49 55·1	−0·1	7·178	·58	−0·04	3	8·59	44. 9576
6998	7·0	24 4·55	0·00	4·3860	·024	−0·001	46 28 50·9	−0·1	7·190	·59	−0·04	3	8·56	46. 9723
6999	9·1	24 33·39	−0·01	4·2468	·021	−0·005	43 17 48·2	−0·1	7·230	·58	−0·03	5	7·58	43. 9014
7000	9·0	24 35·63	...	4·5187	·027	...	49 14 51·5	...	7·233	·61	...	3	9·30	49.10988

6992. $8^m·6$, $8^m·7$ 1″·0 213° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7001	8·0	19 24 46·51	−0·01	+4·2197	−0·020	−0·002	−42 38 21·1	−0·1	+7·247	+0·57	−0·04	5	6·70	42. 8843
7002	7·0	25 5·73	−0·03	4·3072	·022	−0·018	44 45 27·3	0·0	7·273	·58	+0·03	3	8·57	44. 9583
7003	9·6	25 7·76	...	4·4329	·025	...	47 32 1·5	...	7·276	·60	...	3	8·59	47. 9296
7004	8·2	25 8·63	−0·01	4·3430	·023	−0·004	45 34 41·7	−0·1	7·277	·59	−0·07	3	8·58	45. 9738
7005*	7·5	25 32·72	+0·01	4·4061	·025	+0·008	46 59 3·2	−0·3	7·310	·59	−0·18	8	8·60	47. 9297
7006	6·0*	19 26 9·17	−0·01	+4·3366	−0·023	−0·004	−45 29 0·3	−0·1	+7·359	+0·59	−0·04	3	8·53	45. 9740
7007	8·0	26 35·52	0·00	4·5942	·030	−0·002	50 46 43·9	0·0	7·395	·62	−0·05	3	9·37	50.11119
7008	8·0	26 40·78	0·00	4·4956	·027	0·000	48 53 28·4	0·0	7·402	·61	+0·04	5	9·47	48.10197
7009	9·6	26 49·63	0·00	4·6330	·031	+0·002	51 29 42·0	0·0	7·414	·62	−0·02	3	9·54	51.11273
7010	9·5	26 56·84	0·00	4·3003	·023	−0·003	44 41 16·2	−0·1	7·424	·58	−0·06	3	8·56	44. 9590
7011	9·0†	19 27 1·95	−0·02	+4·2576	−0·022	−0·006	−43 40 42·3	0·0	+7·431	+0·57	−0·01	5	6·70	43. 9026
7012	9·0	27 6·19	0·00	4·5247	·028	−0·010	49 29 6·8	0·0	7·437	·61	−0·07	3	9·57	49.10996
7013	6·0*	27 17·06	−0·02	4·1226	·019	−0·005	40 14 57·7	−0·1	7·452	·55	−0·02	5	6·68	40. 9036
7014	9·4	27 46·80	−0·02	4·3816	·025	−0·014	46 33 52·5	−0·2	7·492	·59	−0·16	3	8·54	46. 9738
7015	5·5*	27 47·91	0·00	4·4643	·027	−0·004	48 18 52·2	0·0	7·493	·60	−0·03	3	9·29	48.10202
7016	8·7	19 27 51·04	...	+4·4423	−0·027	...	−47 51 41·4	...	+7·498	+0·60	...	3	8·57	47. 9307
7017	8·6	28 1·09	0·00	4·5675	·030	−0·003	50 21 5·1	0·0	7·511	·61	−0·04	3	9·45	50.11127
7018	8·5	28 13·42	...	4·3424	·024	...	45 42 58·9	...	7·528	·58	...	3	8·57	45. 9747
7019†	9·0*	28 13·69	0·00	4·1735	·020	0·000	41 38 23·0	0·0	7·528	·56	−0·01	5	6·70	41. 9137
7020	8·8	28 17·63	...	4·2032	·021	...	42 24 2·0	...	7·533	·56	...	5	7·22	42. 8860
7021	9·2	19 28 35·51	...	+4·3260	−0·024	...	−45 21 55·4	...	+7·558	+0·58	...	3	8·59	45. 9749
7022	8·0	28 36·59	−0·01	4·1612	·020	−0·002	41 20 19·1	0·0	7·559	·56	−0·01	5	7·22	41. 9138
7023	9·4	28 52·17	−0·03	4·2561	·022	−0·011	43 44 10·0	0·0	7·580	·57	−0·01	5	7·60	43. 9031
7024	8·0	28 52·75	0·00	4·3702	·025	−0·001	46 22 8·7	0·0	7·581	·59	+0·01	3	8·54	46. 9743
7025	9·0	28 57·43	−0·04	4·1369	·020	−0·014	40 42 53·1	−0·3	7·587	·55	−0·10	5	7·42	40. 9044
7026	8·3	19 29 20·12	0·00	+4·4028	−0·026	+0·003	−47 6 9·3	+0·1	+7·618	+0·59	+0·04	3	8·56	47. 9311
7027	9·0*	29 49·42	−0·04	4·2035	·021	−0·013	42 29 8·6	−0·1	7·657	·56	−0·03	5	6·66	42. 8863
7028	8·5	29 52·87	−0·01	4·3762	·026	−0·005	46 33 12·8	−0·1	7·662	·59	−0·05	3	8·54	46. 9747
7029	9·3	30 3·37	...	4·4174	·027	...	47 27 0·6	...	7·676	·59	...	3	8·60	47. 9317
7030	9·5*	30 5·12	+0·01	4·2248	·022	+0·003	43 1 55·7	−0·2	7·678	·57	−0·06	5	6·70	43. 9035
7031	9·4	19 30 8·52	0·00	+4·6334	−0·033	+0·007	−51 39 52·1	0·0	+7·683	+0·62	−0·06	3	9·53	51.11295
7032	8·4	30 10·96	−0·01	4·2855	·023	−0·006	44 30 20·0	0·0	7·686	·57	+0·02	3	8·60	44. 9607
7033	9·4	30 11·49	...	4·5411	·030	...	49 57 30·4	...	7·687	·61	...	3	9·47	50.11133
7034	8·6	30 26·61	0·00	4·5871	·031	+0·001	50 50 27·1	0·0	7·707	·61	0·00	3	9·29	50.11137
7035	7·5	30 29·23	0·00	4·4587	·028	+0·001	48 20 9·9	0·0	7·711	·60	+0·02	3	9·53	48.10213
7036	8·5	19 30 43·21	−0·01	+4·1702	−0·021	−0·003	−41 40 47·3	−0·1	+7·730	+0·56	−0·03	5	6·84	41. 9146
7037	9·1	30 52·93	−0·01	4·3222	·024	−0·008	45 23 46·8	−0·1	7·743	·58	−0·06	3	8·54	45. 9756
7038	8·9	30 53·54	0·00	4·2682	·023	−0·002	44 7 50·1	−0·1	7·744	·57	−0·05	3	8·56	44. 9613
7039	8·9	31 32·27	...	4·4273	·027	...	47 44 17·3	...	7·796	·59	...	3	8·58	47. 9323
7040	8·6†	31 46·80	...	4·2306	·022	...	43 15 49·8	...	7·815	·57	...	5	6·64	43. 9041

7005. $7^m·6$, $9^m·9$ 1″·1 128° Mass observed.

7019. $9^m·6$, $10^m·0$ 2″·0 307° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7041	7·7	19 32 6·92	...	+4·3306	−0·025	...	−45 39 10·3	...	+7·842	+0·58	...	3	8·54	45. 9760
7042	8·7	32 17·16	0·00	4·5264	·030	−0·001	49 46 56·7	0·0	7·856	·60	−0·06	3	9·29	49.11019
7043	7·5	32 29·56	0·00	4·5461	·031	−0·005	50 10 32·1	0·0	7·872	·61	−0·02	3	9·45	50.11148
7044	8·8†	32 39·50	...	4·1221	·020	...	40 30 41·6	...	7·886	·55	...	5	6·67	40. 9062
7045	9·3	32 47·91	...	4·3959	·027	...	47 8 4·6	...	7·897	·59	...	3	8·56	47. 9328
7046	8·9	19 32 49·42	−0·04	+4·3781	−0·026	−0·026	−46 44 53·4	−0·3	+7·899	+0·58	−0·24	3	8·60	46. 9764
7047	9·0	32 49·94	−0·03	4·1059	·020	−0·009	40 4 52·4	0·0	7·900	·55	−0·01	5	7·07	40. 9065
7048	9·3	32 54·25	−0·01	4·2950	·024	−0·010	44 52 18·6	−0·1	7·906	·57	−0·05	3	8·56	44. 9621
7049	9·0	32 56·99	−0·02	4·2461	·023	−0·007	43 42 26·3	+0·1	7·909	·57	+0·02	5	7·41	43. 9045
7050	8·5	33 9·26	0·00	4·1601	·021	0·000	41 32 42·9	0·0	7·926	·55	+0·01	5	7·60	41. 9154
7051	8·0	19 33 30·04	−0·01	+4·6288	−0·034	−0·018	−51 45 21·3	0·0	+7·954	+0·62	+0·02	3	9 29	51.11309
7052	8·5	33 43·23	−0·01	4·1774	·022	−0·004	42 1 32·8	−0·1	7·971	·56	−0·05	5	7·22	42. 8881
7053	9·8	33 57·66	...	4·5043	·030	...	49 26 15·3	...	7·991	·60	...	3	9·55	49.11031
7054	8·5	34 10·28	0·00	4·4766	·030	0·000	48 53 49·8	0·0	8·007	·60	+0·02	3	9·37	48.10227
7055	9·0	34 37·29	−0·01	4·3019	·025	−0·009	45 7 38·3	−0·1	8·043	·57	−0·05	3	8·54	45. 9772
7056	7·8	19 34 45·46	0·00	+4·5688	−0·032	0·000	−50 43 26·3	0·0	+8·054	+0·61	−0·02	3	9·45	50.11160
7057	8·5	34 47·13	−0·09	4·2059	·023	−0·036	42 48 37·2	0·0	8·056	·56	+0·01	8	7·39	42. 8884
7058	8·3	35 4·49	+0·01	4·1637	·021	+0·003	41 44 36·3	0·0	8·080	·55	0·00	5	7·21	41. 9161
7059	8·6	35 18·56	0·00	4·3184	·026	+0·002	45 32 45·3	−0·2	8·099	·57	−0·12	3	8·56	45. 9773
7060	9·0	35 25 03	0·00	4·4506	·029	−0·001	48 26 2·3	0·0	8·107	·59	−0·05	3	9·38	48.10234
7061	8·2	19 35 27·45	−0·01	+4·3504	−0·026	−0·004	−46 16 46·7	−0·1	+8·110	+0·58	−0·07	3	8·58	46. 9776
7062	8·5	35 43·74	−0·01	4·2238	·023	−0·004	43 18 32·6	0·0	8·132	·56	+0·01	5	7·62	43. 9053
7063	9·5	35 47·02	...	4·1808	·022	...	42 13 33·9	...	8·136	·55	...	5	7·61	42. 8889
7064	9·5	35 52·35	...	4·1304	·021	...	40 54 24·9	...	8·144	·55	...	5	7·64	40. 9078
7065	8·3	35 52·98	0·00	4·5491	·032	−0·008	50 24 43·6	0·0	8·144	·60	−0·03	3	9·45	50.11167
7066	8·3	19 35 53·19	0·00	+4·5901	−0·034	−0·001	−51 10 48·3	0·0	+8·145	+0·61	0·00	3	9·54	51.11317
7067	9·5	36 10·57	...	4·1089	·020	...	40 20 34·5	...	8·168	·54	...	5	7·21	40. 9079
7068	8·3	36 12·85	0·00	4·2771	·025	−0·003	44 37 56·5	+0·1	8·171	·57	+0·04	3	8·56	44. 9630
7069	8·7	36 24·26	−0·01	4·3756	·028	−0·004	46 53 26·6	0·0	8·186	·58	−0·03	3	8·57	46. 9780
7070	9·3	36 34·29	...	4·3924	·028	...	47 15 53·6	...	8·199	·58	...	3	8·61	47. 9348
7071	7·5	19 36 37·38	0·00	+4·2652	−0·025	−0·003	−44 22 11·0	0·0	+8·204	+0·56	−0·01	3	8·57	44. 9632
7072	9·5	36 44·32	...	4·4878	·031	...	49 15 44·1	...	8·213	·59	...	3	9·30	49.11045
7073	8·5*	36 46·51	−0·05	4·2363	·024	−0·017	43 40 34·8	−0·1	8·216	·56	−0·04	5	6·88	43. 9057
7074	9·0	36 47·54	...	4·3054	·026	...	45 19 46·4	...	8·217	·57	...	3	8·62	45. 9782
7075	9·3	37 7·63	...	4·1191	·021	...	40 40 22·3	...	8·244	·54	...	5	7·42	40. 9084
7076	7·0*	19 37 32·42	−0·02	+4·1624	−0·022	−0·007	−41 50 47·4	−0·1	+8·277	+0·55	−0·03	5	7·21	41. 9173
7077	8·7	37 45·81	...	4·4206	·029	...	47 56 10·8	...	8·294	·58	...	5	8·51	47. 9353
7078	8·6	38 3·79	0·00	4·4418	·030	−0·004	48 23 50·4	0·0	8·318	·59	−0·01	3	9·30	48.10244
7079	9·5	38 8·20	...	4·6174	·035	...	51 48 5·4	...	8·324	·61	...	3	9·53	51.11331
7080	9·8	38 50·37	...	4·4577	·031	...	48 46 12·6	...	8·380	·59	...	3	9·55	48.10247

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7081	8·5	19 38 53·32	...	+4·3481	−0·028	...	−46 25 19·9	...	+8·384	+0·57	...	3	8·49	46. 9789
7082	9·0	39 9·31	−0·01	4·1333	·022	−0·003	41 10 6·3	0·0	8·405	0·54	−0·01	5	7·21	41. 9183
7083	9·0	39 10·82	+0·01	4·1843	·023	+0·003	42 30 26·7	0·0	8·407	·55	0·00	5	7·61	42. 8903
7084	9·1	39 47·81	...	4·5487	·034	...	50 37 26·7	...	8·456	·60	...	3	9·30	50.11192
7085	9·6	40 4·06	...	4·3995	·029	...	47 37 5·2	...	8·478	·58	...	3	8·58	47. 9361
7086	9·4	19 40 11·48	0·00	+4·5223	−0·033	−0·010	−50 8 16·2	0·0	+8·487	+0·59	−0·05	3	9·53	50.11193
7087	7·5	40 24·74	−0·03	4·2242	·025	−0·011	43 35 13·2	−0·3	8·505	·55	−0·09	5	7·22	43. 9068
7088	7·8	40 40·96	0·00	4·3232	·027	+0·001	45 57 41·3	−0·1	8 526	·57	−0·05	7	8·56	46. 9801
7089	8·5	41 0·84	...	4·1484	·023	...	41 40 40·6	...	8·552	·54	...	5	7·61	41. 9192
7090	8·9	41 14·72	...	4·2899	·027	...	45 13 22·7	...	8·571	·56	...	3	8·59	45. 9795
7091	8·2	19 41 18·50	−0·01	+4·5003	−0·033	−0·009	−49 46 16·4	0·0	+8·576	+0·59	−0·06	3	9·30	49.11070
7092	8·5	41 18·74	−0·02	4·1034	·022	−0·008	40 29 9·0	−0·3	8·576	·54	−0·12	5	7·62	40. 9108
7093	7·5*	41 25·05	−0·01	4·1721	·024	−0·004	42 19 25·9	−0·1	8·584	·55	−0·05	5	7·21	42. 8916
7094	8·0*	41 38·52	+0·03	4·1297	·023	+0·014	41 13 6·7	−0·1	8·602	·54	−0·04	5	7·63	41. 9193
7095	8·3	41 45·36	−0·01	4·3393	·028	−0·004	46 23 31·1	−0·2	8·611	·57	−0·10	3	8·50	46. 9808
7096	8·5	19 41 52·22	−0·01	+4·2574	−0·026	−0·005	−44 29 4·1	−0·1	+8·620	+0·56	−0·04	3	8·57	44. 9645
7097	7·8	42 34·69	0·00	4·5523	·035	+0·001	50 51 6·6	0·0	8·676	·60	+0·01	5	9·57	50.11201
7098	9·3	42 41·16	...	4·4277	·031	...	48 22 12·1	...	8·685	·58	...	3	9·37	48.10267
7099	9·8	42 53·21	...	4·6052	·037	...	51 51 4·8	...	8·700	·60	...	3	9·54	51.11351
7100	7·0	42 55·32	−0·01	4·4005	·030	−0·004	47 48 25·0	−0·1	8·703	·57	−0·04	3	8·49	47. 9366
7101	7·0	19 43 1·83	0·00	+4·3027	−0·028	−0·001	−45 37 44·1	−0·1	+8·711	+0·56	−0·06	3	8·56	45. 9803
7102*	*	43 40·01	0·00	4·3439	·029	−0·003	46 36 39·4	−0·1	8·762	·57	−0·06	3	8·51	46. 9823
7103*	8·0*	43 45·31	0·00	4·1586	·024	+0·001	42 6 37·2	−0·1	8·769	·54	−0·03	5	6·67	42. 8921
7104	7·0	44 7·53	0·00	4·5674	·036	−0·005	51 13 43·5	−0·1	8·798	0·59	−0·10	3	9·30	51.11358
7105	9·5	44 13·28	...	4·1261	·023	...	41 16 30·1	...	8·805	0·54	...	5	7·62	41. 9207
7106	9·0	19 44 26·22	...	+4·2908	−0·028	...	−45 26 5·9	...	+8·822	+0·56	...	3	8·55	45. 9808
7107	9·8	44 28·49	...	4·2072	·025	...	43 24 18·0	...	8·825	·55	...	5	7·64	43. 9083
7108	9·0	44 38·86	−0·02	4·2190	·026	−0·010	43 42 30·5	−0·1	8·839	·55	−0·05	5	7·66	43. 9086
7109	8·8	44 44·02	0·00	4·3636	·030	−0·003	47 6 52·1	0·0	8·846	·57	−0·01	3	8·50	47. 9372
7110	9·5†	44 45·10	...	4·1692	·024	...	42 26 53·7	...	8·847	·54	...	5	7·29	42. 8926
7111	9·4	19 44 47·62	−0·01	+4·2557	−0·027	−0·009	−44 37 9·5	−0·1	+8·850	+0·55	−0·05	3	8·62	44. 9660
7112	8·5	44 55·88	−0·01	4·1129	·023	−0·002	40 57 39·1	−0·1	8·861	·54	−0·02	5	7·04	41. 9213
7113	7·5	44 56·67	−0·01	4·3096	·028	−0·006	45 54 22·9	0·0	8·862	·56	−0·03	3	8·61	45. 9810
7114	9·3	45 2·58	...	4·5099	·035	...	50 10 59·1	...	8·870	·59	...	3	9·45	50.11208
7115	6·0*	45 3·21	+0·01	4·0825	·022	+0·002	40 7 40·0	−0·1	8·871	·53	−0·03	5	7·43	40. 9120
7116	9·0	19 45 23·32	0·00	+4·1843	−0·025	+0·001	−42 52 36·8	0·0	+8·897	+0·54	−0·02	5	7·61	42. 8930
7117	8·9	45 52·87	0·00	4·4353	·032	−0·003	48 43 30·0	0·0	8·936	·58	0·00	3	9·53	48.10278
7118	8·7	45 56·47	0·00	4·3384	·030	0·000	46 37 34·8	0·0	8·940	·56	+0·02	3	8·49	46. 9833
7119	8·7	46 1·68	−0·01	4·4841	·034	−0·010	49 44 0·1	0·0	8·947	·58	+0·03	3	9·37	49.11085
7120	9·8	46 13·18	...	4·2829	·028	...	45 21 27·8	...	8·962	·55	...	3	8·56	45. 9814

7102. Estimates of Magnitude, 1898, May 16, July 29, Aug. 4–8·5, 7·3, 7·8.

7103. $8^m·1$, $10^m·6$ 5″·0 338° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7121	9·5	19 46 14·81	...	+4·4522	−0·033	...	−49 5 55·0	...	+8·964	+0·58	...	3	9·56	49.11087
7122	9·0	46 41·07	...	4·5375	·036	...	50 49 8·1	...	8·999	·59	...	3	9·53	50.11216
7123	9·5	46 47·31	−0·02	4·2584	·027	−0·011	44 48 36·3	0·0	9·007	·55	0·00	3	8·49	44. 9669
7124	9·5*	46 51·16	+0·03	4·1237	·024	+0·010	41 22 14·8	+0·2	9·012	·53	+0·07	5	6·65	41. 9220
7125	8·8	46 53·98	...	4·5575	·037	...	51 12 34·9	...	9·015	·59	...	3	9·45	51.11367
7126	8·3*	19 47 21·61	−0·01	+4·0885	−0·023	−0·003	−40 26 20·2	0·0	+9·051	+0·53	0·00	5	7·61	40. 9127
7127	8·2	47 56·54	0·00	4·3518	·031	+0·001	47 3 8·7	−0·1	9·097	·56	−0·05	3	8·49	47. 9380
7128	7·8	48 0·05	0·00	4·4203	·033	−0·004	48 32 31·3	0·0	9·101	·57	−0·06	3	9·37	48.10282
7129	8·3	48 10·45	+0·01	4·3221	·030	+0·005	46 23 42·3	0·0	9·115	·56	−0·02	3	8·56	46. 9843
7130	9·3†	48 13·12	...	4·2036	·026	...	43 32 50·3	...	9·118	·54	...	5	6·83	43. 9103
7131	5·0	19 48 21·83	0·00	+4·1486	−0·025	−0·002	−42 7 51·5	+0·1	+9·129	+0·54	+0·04	5	7·61	42. 8944
7132	9·5	48 26·24	...	4·2970	·029	...	45 49 54·6	...	9·135	·55	...	3	8·60	45. 9827
7133	9·3	48 28·55	−0·01	4·5806	·038	−0·012	51 44 17·8	0·0	9·138	·59	0·00	3	9·54	51.11375
7134	8·9	48 42·58	0·00	4·4997	·036	−0·009	50 12 29·8	−0·1	9·156	·58	−0·19	3	9·54	50.11225
7135	8·0	49 3·40	−0·01	4·2306	·027	−0·006	44 16 28·8	−0·1	9·183	·54	−0·04	3	8·49	44. 9679
7136	8·8	19 49 4·93	−0·01	+4·3918	−0·032	−0·012	−48 0 2·3	+0·1	+9·185	+0·57	+0·12	3	9·54	48.10286
7137	9·3	49 7·42	...	4·1275	·024	...	41 36 51·8	...	9·189	·53	...	5	7·47	41. 9231
7138	9·5†	49 8·76	...	4·1720	·026	...	42 47 50·5	...	9·190	·54	...	5	7·62	42. 8950
7139	9·5*	49 9·84	0·00	4·0922	·023	+0·002	40 39 20·3	+0·2	9·192	·53	+0·10	5	7·64	40. 9133
7140	9·2	49 40·95	...	4·3755	·032	...	47 41 11·3	...	9·232	·56	...	3	8·57	47. 9391
7141	9·8	19 49 46·92	...	+4·4462	−0·034	...	−49 11 54·6	...	+9·240	+0·57	...	3	9·55	49.11103
7142	9·3	49 48·71	−0·05	4·1881	·026	−0·015	43 15 9·7	0·0	9·242	·54	0·00	5	6·86	43. 9110
7143	9·3	49 51·09	−0·02	4·3376	·031	−0·015	46 51 19·0	0·0	9·245	·56	+0·02	3	8·51	46. 9848
7144	9·0*	50 1·16	0·00	4·2121	·027	+0·001	43 52 31·5	−0·1	9·258	·54	−0·05	5	7·23	43. 9112
7145	8·6†	50 32·21	...	4·1112	·024	...	41 15 57·5	...	9·298	·53	...	5	7·45	41. 9236
7146	8·4	19 50 36·04	0·00	+4·3022	−0·030	−0·001	−46 5 31·8	−0·3	+9·303	+0·55	−0·18	3	8·56	46. 9850
7147	9·5	50 43·85	−0·01	4·5639	·039	−0·012	51 34 16·1	−0·1	9·313	·59	−0·12	3	9·53	51.11386
7148	8·0*	51 30·15	−0·01	4·1720	·026	−0·002	42 56 59·6	−0·2	9·373	·53	−0·07	5	6·67	43. 9119
7149	8·0	51 48·18	+0·01	4·3102	·030	+0·007	46 21 27·6	0·0	9·396	·55	+0·01	3	8·49	46. 9855
7150	9·3	52 6·10	...	4·0666	·023	...	40 7 15·8	...	9·419	·52	...	5	7·61	40. 9151
7151	7·9	19 52 15·58	0·00	+4·5351	−0·038	−0·006	−51 7 32·5	0·0	+9·431	+0·58	+0·04	3	9·52	51.11397
7152	8·8	52 17·23	0·00	4·1378	·025	−0·002	42 5 59·7	−0·2	9·434	·53	−0·08	5	7·64	42. 8964
7153	8·9	52 29·71	...	4·3731	·033	...	47 49 11·9	...	9·450	·56	...	3	8·57	47. 9405
7154	8·4	52 36·52	0·00	4·4398	·035	−0·007	49 14 47·3	0·0	9·458	·57	+0·05	3	9·54	49.11115
7155	9·0	52 39·13	...	4·4022	·034	...	48 27 36·5	...	9·462	·56	...	3	9·56	48.10303
7156	7·0*	19 52 39·59	0·00	+4·5010	−0·037	0·000	−50 29 16·0	0·0	+9·462	+0·57	+0·02	3	9·60	50.11244
7157	9·2	52 59·36	...	4·3459	·032	...	47 14 59·9	...	9·488	·55	...	3	8·51	47. 9408
7158	9·0	53 10·56	−0·01	4·0980	·025	−0·004	41 4 36·9	+0·1	9·502	·52	+0·04	5	6·88	41. 9253
7159	7·1	53 15·21	0·00	4·4685	·036	−0·006	49 52 50·9	0·0	9·508	·57	+0·02	5	9·56	49.11119
7160	Var.†	53 16·36	...	4·1265	·025	...	41 51 41·4	...	9·510	·53	...	5	7·07	41. 9254

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7161	9·4	19 53 29·21	−0·01	+4·4173	−0·035	−0·012	−48 50 9·3	0·0	+9·526	+0·56	+0·04	3	9·52	48.10305
7162	6·5*	53 29·45	0·00	4·1810	·027	−0·001	43 18 56·7	0·0	9·526	·53	0·00	5	7·60	43. 9128
7163	6·0*	53 43·40	0·00	4·2635	·030	−0·002	45 23 9·1	0·0	9·544	·54	−0·03	3	8·61	45. 9841
7164	8·9	53 45·94	−0·01	4·2881	·030	−0·006	45 58 18·7	−0·1	9·548	·55	−0·06	3	8·49	46. 9863
7165	7·8	53 50·25	−0·01	4·2170	·028	−0·006	44 15 3·6	−0·2	9·553	·54	−0·15	3	8·54	44. 9699
7166	8·0*	19 53 55·36	−0·01	+4·0779	−0·024	−0·006	−40 28 21·2	−0·1	+9·560	+0·52	−0·03	5	7·62	40. 9158
7167*	7·3	54 10·48	0·00	4·3613	·033	−0·002	47 40 15·8	0·0	9·579	·55	−0·02	3	8·60	47. 9411
7168	9·0*	54 10·65	+0·01	4·1347	·026	+0·002	42 8 43·8	0·0	9·579	·53	+0·01	5	6·88	42. 8973
7169	9·8	54 16·33	...	4·5660	·040	...	51 50 22·3	...	9·587	·58	...	3	9·59	51.11406
7170	9·0	54 40·90	−0·01	4·4824	·037	−0·012	50 15 20·4	0·0	9·618	·57	−0·03	3	9·48	50.11254
7171	9·5	19 54 42·83	...	+4·1536	−0·026	...	−42 40 56·2	...	+9·620	+0·53	...	5	7·24	42. 8975
7172	9·0*	54 59·65	0·00	4·1010	·025	+0·001	41 16 52·1	−0·2	9·642	·52	−0·07	5	7·61	41. 9260
7173	8·5	55 5·16	−0·01	4·2946	·031	−0·005	46 12 55·5	−0·1	9·649	·55	−0·04	3	8·43	46. 9870
7174	7·6	55 8·20	0·00	4·2332	·029	0·000	44 44 30·0	−0·1	9·653	·54	−0·05	3	8·57	44. 9707
7175	7·5	55 31·46	−0·01	4·2621	·030	−0·007	45 28 21·3	−0·1	9·683	·54	−0·04	3	8·61	45. 9847
7176	9·8	19 55 35·71	...	+4·3837	−0·034	...	−48 15 27·9	...	+9·688	+0·55	...	3	9·54	48.10312
7177	8·7	55 41·65	0·00	4·4260	·036	+0·003	49 10 7·4	0·0	9 695	·56	−0·03	3	9·44	49.11128
7178	8·0*	55 50·58	−0·01	4·1140	·026	−0·004	41 41 41·7	−0·2	9·707	·52	−0·05	5	6·68	41. 9266
7179	9·5	55 53·80	0·00	4·3132	·032	+0·001	46 42 19·9	0·0	9·710	·55	−0·01	3	8·57	46. 9876
7180	8·0	56 21·24	−0·01	4·1691	·027	−0·003	43 12 5·2	−0·1	9·746	·53	−0·03	5	7·60	43. 9145
7181	8·0	19 56 29·33	0·00	+4·3358	−0·033	+0·003	−47 15 44·1	−0·2	+9·756	+0·55	−0·12	3	8·52	47. 9421
7182	9·1	56 31·22	0·00	4·5395	·040	−0·003	51 29 29·2	0·0	9·759	·57	−0·01	3	9·53	51.11409
7183	9·5	56 38·10	...	4·3975	·035	...	48 37 43·8	...	9·767	·56	...	3	9·54	48.10317
7184	9·2	56 52·38	−0·01	4·2032	·029	−0·008	44 6 44·6	+0·2	9·786	·53	+0·12	6:5	8·58	44. 9716
7185	8·5*	57 11·66	+0·01	4·0575	·024	+0·002	40 12 24·8	0·0	9·810	·51	−0·01	5	6·66	40. 9176
7186	8·0	19 57 26·37	−0·01	+4·2464	−0·030	−0·005	−45 13 37·6	−0·1	+9·829	+0·54	−0·05	3	8·49	45. 9859
7187	8·5	57 37·24	−0·02	4·1904	·028	−0·007	43 50 22·6	0·0	9·843	·53	0·00	5	7·08	43. 9150
7188	9·1	57 43·81	...	4·4490	·037	...	49 47 11·1	...	9·851	·56	...	3	9·44	49.11138
7189	9·5*	57 46·31	0·00	4·1464	·027	−0·001	42 42 10·2	0·0	9·854	·52	−0·01	5	7·61	42. 8990
7190	9·2	57 56·95	0·00	4·3539	·034	−0·003	47 46 8·8	+0·1	9·868	·55	+0·04	3	8·51	47. 9428
7191	7·5	19 58 0·18	−0·01	+4·2929	−0·032	−0·008	−46 22 42·0	0·0	+9·872	+0·54	−0·02	3	8·61	46. 9889
7192	10·0	58 57·11	...	4·4205	·037	...	49 16 40·3	...	9·944	·56	...	3	9·44	49.11142
7193	8·5	59 0·37	−0·01	4·2433	·031	−0·006	45 15 49·0	0·0	9·948	·53	−0·02	3	8·43	45. 9866
7194	8·0	59 10·68	0·00	4·2170	·030	−0·002	44 37 27·6	−0·1	9·961	·53	−0·07	3	8·56	44. 9722
7195	9·5*	59 13·23	+0·03	4·0545	·025	+0·010	40 15 36·6	0·0	9·964	·51	+0·01	5	6·69	40. 9190
7196	9·0	19 59 19·74	..	+4·4535	−0·038	...	−49 59 31·5	...	+9·973	+0·56	...	3	9·53	50.11272
7197	9·0*	59 22·26	−0·05	4·1721	·028	−0·022	43 29 36·1	−0·7	9·976	·52	−0·30	5	7·61	43. 9156
7198	9·3	59 25·94	...	4·1101	·026	...	41 50 23·1	...	9·981	·52	...	5	7·62	41. 9285
7199	8·2	59 28·34	0·00	4·4963	·040	−0·005	50 51 28·5	0·0	9·983	·56	+0·03	3	9·55	50.11274
7200	9·7	59 31·61	...	4·3674	035	...	48 10 42·3	...	9·988	·55	...	3	9·68	48.10327

7167. $7^m·5, 9^m·5$ 1″·0 201° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7201	8·3	19 59 34·35	0·00	+4·1368	−0·027	−0·001	−42 34 33·1	+0·1	+ 9·991	+0·52	+0·04	5	7·44	42. 9002
7202	8·8	59 46·99	0·00	4·5405	·041	−0·004	51 44 9·0	0·0	10·007	·57	0·00	3	9·55	51.11420
7203	9·5	20 0 3·68	0·00	4·0803	·026	+0·001	41 3 35·4	+0·2	10·028	·51	+0·06	5	7·43	41. 9290
7204	9·3	0 20·48	−0·01	4·3182	·033	−0·005	47 8 1·0	−0·1	10·049	·54	−0·06	3	8·43	47. 9433
7205	7·6	0 21·04	0·00	4·3997	·036	+0·002	48 56 12·1	0·0	10·050	·55	−0·08	3	9·44	49.11153
7206	9·0	20 0 40·82	...	+4·4415	−0·038	...	−49 50 26·4	...	+10·075	+0·56	...	3	9·54	49.11155
7207	9·0*	0 51·97	−0·02	4·1838	·029	−0·006	43 54 12·1	−0·2	10·089	·52	−0·06	5	7·22	43. 9159
7208	9·0	1 1·56	−0·02	4·2635	·032	−0·013	45 54 1·3	−0·1	10·101	·53	−0·09	3	8·62	45. 9875
7209	8·8	1 2·23	−0·01	4·2058	·030	−0·007	44 28 42·7	−0·2	10·102	·53	−0·13	3	8·58	44. 9727
7210	7·5*	1 10·29	0·00	4·0451	·025	−0·001	40 7 42·6	−0·3	10·112	·50	−0·11	5	6·88	40. 9200
7211	8·5	20 1 17·10	...	+4·3468	−0·035	...	−47 50 54·3	...	+10·121	+0·54	...	3	8·43	47. 9440
7212	9·0	1 25·05	...	4·0632	·025	...	40 40 7·6	...	10·131	·51	...	5	7·42	40. 9202
7213	8·4	1 29·84	0·00	4·2911	·033	+0·003	46 35 16·4	−0·1	10·137	·54	−0·10	3	8·64	46. 9904
7214	8·8	1 37·90	0·00	4·4156	·037	0·000	49 22 1·8	0·0	10·147	·55	0·00	3	9·44	49.11157
7215	9·3	2 0·23	...	4·2299	·031	...	45 9 6·0	...	10·175	·53	...	3	8·56	45. 9880
7216	9·0	20 2 6·72	0·00	+4·4802	−0·040	−0·009	−50 43 49·0	0·0	+10·183	+0·56	−0·04	3	9·53	50.11284
7217	8·5	2 39·63	...	4·2485	·032	...	45 39 26·1	...	10·224	·53	...	3	8·43	45. 9883
7218	9·0*	2 47·70	−0·04	4·1372	·028	−0·013	42 47 32·9	+0·1	10·234	·51	+0·02	5	6·68	42. 9022
7219	7·2	3 8·36	0·00	4·1883	·030	−0·002	44 11 9·0	0·0	10·260	·52	0·00	3	8·56	44. 9734
7220	8·5	3 9·30	−0·01	4·1111	·027	−0·005	42 8 18·7	+0·1	10·262	·51	+0·02	5	7·06	42. 9023
7221	9·4	20 3 27·95	0·00	+4·4524	−0·039	−0·006	−50 16 3·4	0·0	+10·285	+0·55	−0·06	3	9·44	50.11291
7222	7·3	3 29·94	0·00	4·3035	·034	0·000	47 1 36·8	−0·1	10·287	·53	−0·06	3	8·43	47. 9452
7223	8·6	3 31·03	+0·04	4·0849	·027	+0·015	41 26 21·4	+0·1	10·289	·51	+0·03	5	7·42	41. 9304
7224	9·6	3 47·95	−0·01	4·5244	·042	−0·013	51 43 1·5	−0·1	10·310	·56	−0·29	3	9·53	51.11433
7225	8·8	3 53·59	−0·01	4·3232	·035	−0·006	47 30 32·2	−0·1	10·317	·54	−0·04	3	8·60	47. 9453
7226	9·0	20 4 7·85	0·00	+4·3746	−0·037	−0·001	−48 40 24·2	0·0	+10·335	+0·54	−0·03	3	9·55	48.10341
7227	7·5*	4 9·17	−0·02	4·1693	·030	−0·005	43 46 8·0	0·0	10·336	·52	+0·01	5	6·66	43. 9166
7228	8·4	4 36·45	...	4·4855	·041	...	51 1 2·3	...	10·370	·55	...	3	9·67	51.11434
7229	8·9	4 46·79	...	4·3549	·036	...	48 17 17·4	...	10·383	·54	...	3	9·45	48.10344
7230	8·5	4 55·76	...	4·1505	·029	...	43 20 9·4	...	10·394	·51	...	5	7·60	43. 9171
7231	9·4	20 4 55·79	0·00	+4·3311	−0·035	−0·003	−47 45 51·5	−0·1	+10·394	+0·54	−0·05	3	8·43	47. 9459
7232	9·3	5 4·99	0·00	4·1971	·031	−0·001	44 33 27·0	0·0	10·406	·52	−0·02	3	8·56	44. 9746
7233	9·5*	5 10·36	+0·02	4·0434	·026	+0·008	40 22 25·5	+0·3	10·413	·50	+0·09	5	6·88	40. 9223
7234	9·1	5 16·38	−0·01	4·2739	·033	−0·010	46 27 48·1	−0·1	10·420	·53	−0·06	3	8·61	46. 9921
7235	9·4	5 18·33	...	4·2201	·032	...	45 9 9·6	...	10·423	·52	...	3	8·63	45. 9893
7236	9·6	20 5 27·13	...	+4·4194	−0·039	...	−49 43 48·6	...	+10·434	+0·55	...	3	9·56	49.11174
7237	6·3	5 31·48	−0·01	4·1391	·029	−0·004	43 4 27·5	−0·3	10·439	·51	−0·12	9	7·34	43. 9175
7238	8·4	6 30·93	0·00	4·4586	·041	0·000	50 37 11·7	0·0	10·513	·55	−0·01	3	9·45	50.11306
7239	8·5	6 31·55	−0·01	4·2461	·033	−0·007	45 53 23·0	−0·1	10·514	·52	−0·08	3	8·43	45. 9898
7240	9·0*	6 35·66	+0·01	4·0979	·028	+0·002	42 2 8·5	+0·2	10·519	·50	+0·06	5	6·84	42. 9028

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7241	9·1	20 6 41·41	−0·01	+4·2139	−0·032	−0·008	−44 54 28·0	−0·1	+10·526	+0·52	−0·05	3	8·56	44. 9756
7242	8·3	6 44·69	+0·10	4·2279	·032	+0·069	45 27 33·2	−0·3	10·530	·52	−0·19	3	8·61	45. 9899
7243	9·3	6 47·58	...	4·2856	·034	...	46 51 21·2	...	10·534	·53	...	3	8·62	46. 9931
7244	9·3	7 0·32	0·00	4·3571	·037	+0·002	48 30 21·6	0·0	10·549	·54	−0·01	3	9·56	48.10351
7245	9·3	7 7·85	...	4·3237	·036	...	47 45 51·7	...	10·558	·53	...	3	8·62	47. 9465
7246	9·6	20 7 10·08	...	+4·5160	−0·043	...	−51 48 12·5	...	+10·561	+0·56	...	3	9·67	51.11440
7247	8·8†	7 30·08	...	4·1438	·030	...	43 21 14·6	...	10·586	·51	...	5	7·41	43. 9178
7248	8·8	7 57·14	−0·01	4·1808	·031	−0·006	44 21 35·4	0·0	10·620	·51	−0·01	3	8·49	44. 9763
7249	8·0*	8 4·34	−0·02	4·1658	·031	−0·006	43 58 48·7	−0·1	10·629	·51	−0·02	5	6·84	44. 9764
7250	9·3	8 19·40	...	4·3877	·039	...	49 16 32·0	...	10·647	·54	...	3	9·49	49.11187
7251	8·4	20 8 24·42	−0·01	+4·0230	−0·026	−0·004	−40 1 17·4	−0·2	+10·653	+0·49	−0·08	8	7·42	40. 9242
7252	9·0	8 39·97	0·00	4·3607	·038	+0·001	48 42 45·2	0·0	10·673	·53	−0·03	3	9·67	48.10356
7253	9·0*	8 51·65	−0·02	4·1133	·029	−0·005	42 38 9·8	−0·2	10·687	·50	−0·06	5	6·73	42. 9036
7254	9·5	9 8·86	...	4·2782	·035	...	46 52 2·8	...	10·708	·52	...	3	8·49	46. 9936
7255	7·5*	9 27·93	−0·01	4·0810	·028	−0·002	41 46 59·5	−0·2	10·732	·50	−0·05	5	6·65	41. 9329
7256*	8·5	20 9 31·85	0·00	+4·2497	−0·034	0·000	−46 12 48·2	0 0	+10·737	+0·52	−0·02	3	8·50	46. 9938
7257	9·8	9 38·28	...	4·4308	·041	...	50 17 17·5	...	10·745	·54	...	3	9·49	50.11322
7258	9·0	9 41·82	...	4·0360	·027	...	40 30 18 1	...	10·749	·49	...	5	6·88	40. 9258
7259	7·0*	10 5·16	+0·01	4·0593	·028	+0·003	41 12 38·1	−0·2	10·778	·49	−0·08	5	6·89	41. 9332
7260	8·8	10 12·42	0·00	4·4567	·042	−0·006	50 51 56·0	0·0	10·786	·54	−0·01	3	9·51	50.11324
7261	9·2	20 10 40·10	−0·01	+4·2186	−0·033	−0·004	−45 32 9 1	−0·1	+10·820	+0·51	−0·04	3	8·43	45. 9909
7262	7·5	10 53·38	0·00	4·4805	·043	−0·001	51 23 40 7	0·0	10·837	·55	−0·03	3	9 50	51.11451
7263	8·0	10 55·53	0·00	4·3720	·039	−0·004	49 8 17·3	0·0	10·839	·53	−0·01	3	9·63	49.11192
7264	9·6	11 6·25	...	4·3114	·037	...	47 47 51·3	...	10·852	·52	...	3	8·57	47. 9474
7265	9·8†	11 21·16	...	4·0307	·027	...	40 28 38·8	...	10·871	·49	...	5	6·69	40. 9270
7266	9·0	20 11 23·86	...	+4·0765	−0·028	...	−41 48 43 6	...	+10 874	+0·49	...	5	7·26	41. 9336
7267	7·0*	11 24·24	0·00	4·1255	·030	0·000	43 10 3·3	−0·3	10·875	·50	−0·08	5	6·67	43. 9195
7268	8·5	11 31·62	0·00	4·3587	·039	−0·006	48 53 51·4	0·0	10·884	·53	−0·02	3	9·70	48.10370
7269	8·4	11 40·02	...	4·0550	·028	...	41 12 52·0	...	10 894	·49	...	5	7·63	41. 9338
7270	10·0	11 46·36	...	4·4059	·041	...	49 55 57·4	.	10·902	·54	...	3	9 70	50.11332
7271	9·8	20 11 59·41	...	+4·3283	−0·038	...	−43 15 12·8	...	+10·918	+0·52	...	3	9·55	48.10372
7272	8·0	11 59·43	0·00	4·1868	·032	+0·002	44 50 5·1	0·0	10·918	·51	+0·03	3	8·44	44. 9778
7273	9·1	12 5·42	−0·03	4·0820	·029	−0·011	42 1 12·4	0·0	10·925	·49	+0·01	5	7·65	42. 9048
7274	9·4†	12 25·85	...	4·1400	·031	...	43 38 41·5	...	10·950	·50	...	5	7·63	43. 9199
7275	9·0	12 36·21	...	4·2612	·035	...	46 44 13 0	...	10·963	·52	...	3	8·59	46. 9951
7276	9·0	20 12 55·49	−0·01	+4·2731	−0·036	−0·008	−47 2 55·5	0·0	+10·986	+0·52	−0·03	3	8·54	47. 9481
7277	9·5†	13 7·56	...	4·0187	·027	...	40 15 52·7	. .	11·001	·48	...	5	6·67	40. 9275
7278	9·3	13 23·25	...	4·2917	·037	...	47 31 24·1	...	11·020	·52	...	3	8·56	47. 9483
7279	9·6	13 30·29	...	4·4822	·044	...	51 38 9·8	...	11·029	·54	...	3	9·55	51.11457
7280	9·5*	13 40·36	+0·02	4·0988	·030	+0·007	42 37 10·6	−0·1	11·041	·49	−0·03	5	6·73	42. 9058

7256. $8^m{\cdot}9, 9^m{\cdot}7$ 1″·5 42° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7281	7·5*	20 14 17·94	0·00	+4·4517	−0·043	+0·002	−51 5 25·6	0·0	+11·086	+0·54	−0·08	3	9·63	51.11458
7282	6·2*	14 25·41	−0·02	4·4135	·042	−0·038	50 18 28·5	−0·1	11·095	·53	−0·25	3	9·46	50.11341
7283	8·9	14 36·92	+0·02	4·1965	·034	+0·014	45 18 4·0	−0·2	11·109	·50	−0·11	3	8·50	45. 9919
7284	9·7	14 40·62	−0·02	4·1515	·032	−0·011	44 8 14·6	0·0	11·114	·50	+0·01	3	8·61	44. 9790
7285	8·8	14 56·62	−0·01	4·2214	·035	−0·010	45 57 19·4	−0·1	11·133	·51	−0·05	3	8·63	46. 9961
7286	8·0	20 15 0·75	0·00	+4·3856	−0·041	−0·003	−49 45 48·6	0·0	+11·138	+0·53	−0·07	3	9·67	49.11209
7287	9·7	15 3·27	...	4·3241	·039	...	48 24 32·0	...	11·141	·52	...	3	9·70	48.10379
7288	9·3	15 3·60	...	4·2977	·038	...	47 48 5·2	...	11·142	·52	...	3	8·66	47. 9491
7289	8·0	15 22·36	0·00	4·3576	·040	−0·003	49 10 57·9	0·0	11·164	·52	+0·03	3	9·46	49.11211
7290	9·3	15 22·55	0·00	4·2529	·036	−0·003	46 45 58·9	−0·1	11·165	·51	−0·04	3	8·61	46. 9965
7291	8·0*	20 15 28·21	0·00	+4·4335	−0·043	−0·008	−50 48 38·5	0·0	+11·172	+0·53	−0·04	3	9·66	50.11345
7292	5·8†	15 40·22	+0·01	4·0837	·030	+0·003	42 21 52·7	−0·4	11·186	·49	−0·11	5	6·67	42. 9065
7293	8·2	15 41·90	0·00	4·1776	·033	−0·001	44 54 19·1	0·0	11·188	·50	+0·03	3	8·50	44. 9794
7294	8·5	16 9·24	0·00	4·1413	·032	0·000	43 59 21·2	−0·3	11·221	·50	−0·12	10	7·38	44. 9795
7295	8·4	16 11·53	0·00	4·4648	·045	−0·005	51 30 28·7	0·0	11·224	·54	+0·02	3	9·68	51.11464
7296	9·3	20 16 41·70	...	+4·2703	−0·037	...	−47 17 36·7	...	+11·260	+0·51	...	3	8·50	47. 9500
7297*	6·0*	17 5·31	−0·01	4·0930	·030	−0·004	42 44 38·2	0·0	11·289	·49	0·00	5	6·87	42. 9068
7298	8·0*	17 20·61	−0·02	4·0369	·029	−0·008	41 9 10·7	−0·1	11·307	·48	−0·04	5	7·07	41. 9364
7299	8·5	17 22·32	0·00	4·3256	·039	−0·001	48 38 0·5	0·0	11·309	·52	0·00	3	9·45	48.10390
7300	8·3	17 40·00	0·00	4·0647	·030	0·000	41 59 25·7	0·0	11·331	·48	0·00	11	7·49	42. 9072
7301	9·5	20 18 5·48	...	+4·1978	−0·035	...	−45 37 37·1	...	+11·361	+0·50	...	3	8·50	45. 9930
7302	9·8	18 13·24	...	4·1394	·032	...	44 6 45·9	...	11·371	·49	...	3	8·60	44. 9801
7303	9·6	18 34·71	...	4·4320	·044	...	51 2 17·8	...	11·396	·53	...	3	9·50	51.11473
7304	8·5*	18 46·07	−0·02	4·1015	·031	−0·006	43 7 33·5	−0·1	11·410	·49	−0·02	5	6·68	43. 9226
7305	9·6	18 51·05	...	3·9984	·028	...	40 7 50·7	...	11·416	·47	...	5	7·43	40. 9294
7306	9·9	20 18 57·35	...	+4·3970	−0·043	...	−50 20 16·2	...	+11·423	+0·52	...	3	9·70	50.11359
7307	9·7	18 58·16	...	4·2871	·038	...	47 53 8·5	...	11·424	·51	...	3	8·63	47. 9507
7308	7·5	19 1·42	0·00	4·2491	·037	−0·002	46 59 1·9	0·0	11·428	·50	−0·03	3	8·43	47. 9508
7309	9·0	19 2·80	−0·01	4·2285	·036	−0·010	46 28 57·2	0·0	11·430	·50	+0·03	3	8·57	46. 9975
7310	8·3	19 29·73	0·00	4·3024	·039	−0·001	48 17 12·4	0·0	11·462	·51	−0·02	3	9·69	48.10398
7311	9·6	20 19 30·12	...	+4·4690	−0·046	...	−51 52 4·1	...	+11·462	+0·53	...	4	9·63	51.11477
7312	9·5	19 34·21	0·00	4·3712	·042	−0·008	49 50 6·7	0·0	11·466	·52	−0·03	3	9·72	49.11225
7313	8·5	19 52·29	+0·03	4·1258	·032	+0·010	43 53 19·2	−0·3	11·489	·49	−0·11	5	7·26	43. 9228
7314	8·0*	19 54·17	−0·01	4·0717	·030	−0·004	42 22 54·3	0·0	11·491	·48	−0·02	5	7·63	42. 9080
7315	8·3	19 55·55	0·00	4·2030	·035	−0·002	45 55 9·8	+0·1	11·493	·50	+0·05	3	8·64	46. 9981
7316	8·2	20 19 55·55	0·00	+4·2709	−0·038	0·000	−47 35 8·9	−0·1	+11·493	+0·51	−0·04	3	8·50	47. 9511
7317	8·3	20 0·02	0·00	3·9989	·028	−0·002	40 14 37·1	0·0	11·498	·47	0·00	5	7·67	40. 9296
7318	7·8	20 0·32	...	4·3281	·040	...	48 55 13·1	...	11·499	·51	...	3	9·70	49.11227
7319	8·8	20 2·67	0·00	4·0252	·029	+0·002	41 2 20·0	+0·1	11·502	·48	+0·06	8	7·54	41. 9377
7320	8·0*	20 6·09	−0·01	4·0346	·029	−0·004	41 19 18·1	−0·1	11·506	·48	−0·04	5	7·67	41. 9378

7297. $6^m·2, 8^m·2$ 1″·2 200° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7321	8·5	20 20 18·12	0·00	+4·1693	−0·034	−0·002	−45 5 7·3	0·0	+11·520	+0·49	−0·03	5	8·57	45. 9939
7322	10·0	20 29·11	...	4·1182	·032	...	43 44 14·6	...	11·533	·49	...	5	7·64	43. 9230
7323	10·0*	21 14·54	−0·01	3·9986	·028	−0·004	40 20 28·6	+0·1	11·587	·47	+0·03	5	7·43	40. 9300
7324	9·3	21 31·70	−0·01	4·2507	·038	−0·004	47 14 30·0	0·0	11·608	·50	−0·03	3	8·54	47. 9519
7325	8·0	21 42·30	0·00	4·4373	·046	−0·004	51 24 55·0	0·0	11·620	·52	0·00	3	9·51	51.11490
7326	8·8	20 21 56·08	0·00	+4·3139	−0·041	+0·009	−48 45 56·7	0·0	+11·637	+0·51	−0·05	3	9·68	48.10409
7327	9·8	21 56·91	...	4·1428	·034	...	44 31 46·6	...	11·638	·49	...	3	8·62	44. 9813
7328	9·2†	22 4·55	...	4·0682	·031	...	42 28 23·8	...	11·647	·48	...	5	7·41	42. 9086
7329	9·5	22 5·92	...	4·3940	·044	...	50 32 50·8	...	11·648	·52	...	3	9·71	50.11368
7330	8·4	22 11·23	...	4·3735	·043	...	50 6 47·9	...	11·655	·51	...	3	9·71	50.11369
7331	9·0	20 22 13·17	−0·01	+4·1070	−0·032	−0·003	−43 34 46·6	−0·1	+11·657	+0·48	−0·04	5	6·90	43. 9241
7332	8·5	22 33·68	0·00	4·1858	·035	−0·002	45 42 50·7	0·0	11·681	·49	−0·03	3	8·43	45. 9953
7333	8·0	22 38·55	0·00	4·2158	·037	−0·003	46 28 55·9	0·0	11·687	·49	−0·02	3	8·61	46. 9992
7334	8·0*	22 52·57	−0·02	4·0402	·030	−0·005	41 43 53·4	0·0	11·704	·47	−0·01	5	6·90	41. 9387
7335	9·0	23 7·16	0·00	4·3542	·043	−0·004	49 46 23·7	0·0	11·721	·51	−0·01	3	9·51	49.11240
7336	9·9	20 23 11·53	...	+4·3364	−0·042	...	−49 23 6·9	...	+11·726	+0·51	...	3	9·69	49.11241
7337	8·9†	23 15·15	...	4·0048	·029	...	40 42 24·6	...	11·730	·47	...	5	7·25	40. 9303
7338	8·8	23 21·27	−0·02	4·1497	·034	−0·012	44 50 27·9	0·0	11·738	·49	+0·02	3	8·61	44. 9823
7339	9·2	23 21·73	−0·01	4·2255	·037	−0·006	46 47 18·8	+0·1	11·738	·49	+0·05	3	8·45	46.10000
7340	9·2†	24 6·24	+0·01	4·0857	·032	+0·004	43 9 19·9	−0·1	11·791	·48	−0·02	5	6·70	43. 9245
7341	8·9	20 24 11·47	0·00	+4·2906	−0·040	−0·001	−48 25 49·8	0·0	+11·797	+0·50	−0·08	3	9·60	48.10419
7342	8·7	24 28·70	0·00	4·1411	·034	0·000	44 42 45·6	−0·1	11·817	·48	−0·08	3	8·45	44. 9827
7343	8·5	24 41·85	0·00	4·1542	·035	−0·003	45 4 53·1	−0·2	11·833	·48	−0·11	3	8·62	45. 9963
7344	8·8	24 42·73	0·00	4·3819	·044	+0·004	50 31 10·0	0·0	11·834	·51	−0·01	3	9·60	50.11382
7345	9·0*	24 52·44	0·00	4·0552	·031	+0·001	42 20 59·9	−0·2	11·845	·47	−0·05	5	6·89	42. 9097
7346	8·8	20 25 24·40	...	+4·1932	−0·037	...	−46 9 35·1	...	+11·883	+0·49	...	3	8·53	46.10008
7347	9·0	25 31·72	−0·01	4·1759	·036	−0·007	45 43 44·3	+0·1	11·891	·49	+0·08	3	8·65	45. 9970
7348	8·9	25 33·35	...	4·2497	·039	...	47 34 46·5	...	11·893	·49	...	3	8·53	47. 9529
7349	8·1	25 40·78	0·00	4·3142	·042	+0·008	49 6 28·5	0·0	11·902	·50	−0·06	3	9·72	49.11256
7350	9·8	25 43·76	...	4·2688	·040	...	48 3 15·7	...	11·905	·49	...	5	9·70	48.10429
7351	8·0*	20 26 20·03	−0·05	+4·0965	−0·033	−0·019	−43 39 50·1	−0·1	+11·948	+0·47	−0·03	5	7·61	43. 9255
7352	9·3	26 37·88	...	4·2181	·038	...	46 54 9·1	...	11·969	·49	...	3	8·45	46.10013
7353	9·8	26 40·21	...	4·4106	·047	...	51 18 14·8	...	11·972	·51	...	3	9·72	51.10511
7354	6·5*	26 41·76	−0·03	4·0327	·031	−0·010	41 51 31·2	−0·8	11·973	·47	−0·23	5	6·67	41. 9393
7355	8·4†	26 50·80	...	4·0127	·030	...	41 16 27·4	...	11·984	·46	...	5	7·27	41. 9395
7356	9·0*	20 26 59·69	0·00	+4·0054	−0·030	−0·001	−41 3 55·7	0·0	+11·994	+0·46	+0·01	5	7·08	41. 9397
7357	5·8*	27 2·85	0·00	4·1375	·035	−0·001	44 51 17·9	−0·1	11·998	·48	−0·04	3	8·60	44. 9838
7358	9·1	27 8·44	0·00	4·2871	·041	−0·004	48 36 53·1	0·0	12·004	·50	+0·01	3	9·68	48.10434
7359	9·7	27 13·99	...	4·3219	·043	...	49 25 30·9	...	12·011	·50	...	3	9·71	49.11260
7360	9·3	27 32·06	...	4·1096	·034	...	44 8 20·6	...	12·032	·47	...	3	8·45	44. 9841

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7361	8·8	20 27 51·45	−0·01	+4·1562	−0·036	−0·008	−45 25 45·0	0·0	+12·055	+0·48	0·00	3	8·60	45. 9981
7362	9·1	28 4·10	0·00	4·3482	·044	+0·013	50 5 32·7	0·0	12·069	·50	−0·09	5	9·64	50.11389
7363	7·0*	28 11·53	−0·01	4·0440	·032	−0·004	42 19 42·2	−0·2	12·078	·47	−0·07	5	6·67	42. 9111
7364	8·5	28 12·37	0·00	4·3742	·046	−0·005	50 40 18·9	0·0	12·079	·50	−0·01	3	9·64	50.11392
7365	9·6	28 41·73	...	4·2600	·041	...	48 7 9·7	...	12·113	·49	...	3	9·72	48.10437
7366	9·0*	20 28 43·02	0·00	+3·9859	−0·030	−0·001	−40 37 33·7	+0·1	+12·115	+0·46	+0·02	5	6·74	40. 9321
7367	8·0	28 54·29	0·00	4·3978	·047	−0·003	51 14 25·1	0·0	12·128	·51	−0·02	3	9·70	51.11520
7368	8·0*	28 54·88	−0·03	4·0912	·034	−0·012	43 45 32·8	−0·2	12·128	·47	−0·07	5	7·61	43. 9265
7369	7·5	28 57·10	−0·01	4·1245	·035	−0·004	44 40 53·6	+0·1	12·131	·47	+0·05	3	8·44	44. 9851
7370	9·6	29 4·91	...	4·2492	·040	...	47 53 55·6	...	12·140	·49	...	3	8·64	47. 9535
7371	9·6†	20 29 9·29	...	+4·0572	−0·032	...	−42 48 16·8	...	+12·145	+0·47	...	4	7·15	42. 9112
7372	9·5	29 13·39	...	4·4216	·048	...	51 45 55·8	...	12·150	·51	...	3	9·70	51.11523
7373*	7·8	29 35·17	0·00	4·1681	·037	0·000	45 54 11·0	0·0	12·175	·48	+0·01	5	8·61	45. 9989
7374	9·4	29 41·11	...	4·1852	·038	...	46 21 22·9	...	12·182	·48	...	3	8·66	46.10028
7375	9·8	29 56·25	...	4·2017	·038	...	46 48 6·8	...	12·200	·48	...	3	8·64	46.10030
7376	8·5	20 30 18·48	+0·01	+4·1347	−0·036	+0·004	−45 5 20·7	−0·1	+12·225	+0·47	−0·08	3	8·51	45. 9992
7377	3·0*	30 32·09	0·00	4·2330	·040	+0·003	47 38 25·2	+0·1	12·241	·48	+0·04	3	8·53	47. 9537
7378	9·0*	30 36·33	0·00	3·9689	·029	+0·001	40 16 22·2	0·0	12·246	·45	+0·01	5	6·71	40. 9329
7379	8·0*	30 39·50	0·00	4·0724	·033	+0·001	43 23 20·8	−0·1	12·249	·47	−0·03	5	7·07	43. 9269
7380	8·5	30 52·00	0·00	4·2839	·042	+0·004	48 53 33·0	0·0	12·264	·49	−0·04	3	9·55	48.10444
7381	8·5*	20 30 53·75	−0·01	+4·0876	−0·034	−0·004	−43 50 40·4	−0·1	+12·266	+0·47	−0·03	5	7·28	43. 9270
7382	9·7	31 2·11	...	4·3529	·046	...	50 28 24·5	...	12·275	·50	...	3	9·70	50.11402
7383	6·5*	31 4·10	−0·01	4·0095	·031	−0·003	41 34 24·8	−0·1	12·278	·46	−0·06	5	7·61	41. 9418
7384	8·4	31 32·14	0·00	4·1224	·036	+0·003	44 52 21·6	−0·1	12·310	·47	−0·04	3	8·44	44. 9857
7385	7·5	31 54·80	−0·01	4·3137	·044	−0·017	49 40 52·9	0·0	12·336	·49	0·00	3	9·58	49.11274
7386	9·5*	20 31 59·88	−0·02	+4·0243	−0·032	−0·006	−42 6 44·3	0·0	+12·342	+0·46	+0·01	5	6·70	42. 9118
7387	8·3	32 4·33	0·00	4·3726	·047	+0·001	51 0 5·0	0·0	12·347	·50	−0·03	5	9·70	51.11533
7388	9·0*	32 15·61	0·00	3·9780	·030	−0·001	40 43 6·8	+0·1	12·360	·45	+0·04	5	6·73	40. 9338
7389	8·5*	32 31·38	+0·01	4·0320	·032	+0·006	42 23 21·5	0·0	12·378	·46	+0·01	5	7·63	42. 9121
7390	8·0	32 57·62	0·00	4·3957	·048	+0·009	51 34 48·0	0·0	12·408	·50	0·00	3	9·63	51.11541
7391	9·8	20 33 8·52	...	+4·0973	−0·035	...	−44 20 10·9	...	+12·421	+0·46	...	3	8·53	44. 9863
7392	9·0*	33 16·61	−0·01	3·9943	·031	−0·003	41 19 22·0	−0·8	12·430	·45	−0·25	5	6·71	41. 9426
7393	8·2	33 23·93	0·00	4·2033	·040	−0·003	47 10 42·9	0·0	12·438	·47	−0·02	3	8·52	47. 9543
7394	8·5*	33 35·66	−0·02	4·0634	·034	−0·006	43 24 59·4	−0·1	12·452	·46	−0·04	5	6·72	43. 9284
7395	9·5	33 53·00	0·00	4·1088	·036	−0·002	44 43 55·3	0·0	12·471	·46	−0·03	3	8·63	44. 9868
7396	9·5*	20 34 7·38	0·00	+3·9541	−0·029	+0·002	−40 8 30·4	0·0	+12·488	+0·45	0·00	5	7·64	40. 9342
7397	6·0*	34 13·25	−0·01	4·0385	·033	−0·002	42 45 1·9	0·0	12·494	·46	−0·01	5	6·90	42. 9126
7398	10·0	34 16·81	...	4·2234	·041	...	47 46 7·5	...	12·499	·48	...	3	8·54	47. 9545
7399	9·3	34 18·91	...	4·1391	·037	...	45 35 54·1	...	12·501	·47	...	3	8·54	45.10006
7400	8·5	34 46·34	0·00	4·2418	·042	+0·001	48 16 3·4	0·0	12·532	·48	−0·02	3	9·60	48.10459

7373. $8^m·2, 9^m·2$ 1″·8 1° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7401	9·5	20 34 48·20	−0·01	+4·1623	−0·038	−0·010	−46 15 48·5	−0·1	+12·534	+0·47	−0·06	3	8·62	46.10050
7402	8·0	34 57·21	0·00	4·2774	·043	+0·002	49 8 18·4	0·0	12·545	·48	−0·02	3	9·66	49 11286
7403	8·0	35 7·83	−0·01	4·1800	·039	−0·004	46 45 19·8	0·0	12·557	·47	−0·01	3	8·61	46.10052
7404	6·9*	35 25·22	0·00	4·1219	·037	−0·003	45 14 27·9	0·0	12·576	·46	+0·01	3	8·45	45.10011
7405	9·0*	35 31·64	−0·01	4·0340	·033	−0·004	42 44 51·0	−0·1	12·584	·45	−0·02	5	6·68	42. 9136
7406	8·4	20 35 33·33	0·00	+4·2594	−0·043	−0·004	−48 46 17·4	0·0	+12·586	+0·48	−0·05	3	9·68	48.10463
7407	8·0	35 46·27	0·00	4·3485	·047	+0·003	50 50 8·2	0·0	12·600	·49	−0·02	3	9·55	50.11417
7408	9·0	36 0·49	0·00	4·3253	·046	+0·007	50 20 39·8	0·0	12·616	·48	−0·03	3	9·71	50.11418
7409	9·0*	36 13·76	−0·02	3·9814	·031	−0·005	41 12 58·7	−0·1	12·632	·45	−0·03	5	6·94	41. 9436
7410	9·4†	36 18·37	...	4·0475	·034	...	43 13 32·2	...	12·637	·45	...	5	7·64	43. 9290
7411	9·0*	20 36 24·08	+0·02	+4·0210	−0·032	+0·006	−42 26 49·9	+0·1	+12·643	+0·45	+0·03	5	7·48	42. 9139
7412	9·9	36 28·05	...	4·0891	·036	...	44 26 19·4	...	12·648	·46	...	3	8·54	44. 9876
7413	8·0*	37 7·88	−0·01	3·9533	·030	−0·002	40 25 7·8	−0·2	12·693	·44	−0·07	5	6·68	40. 9351
7414	9·3	37 9·87	...	4·1936	·040	...	47 18 41·9	...	12·695	·47	...	3	8·61	47. 9556
7415	8·3	37 17·99	0·00	4·1108	·037	+0·001	45 7 46·8	−0·1	12·704	·46	−0·08	3	8·65	45.10016
7416	9·3	20 37 18·06	0·00	+4·2872	−0·045	−0·011	−49 36 13·6	0·0	+12·704	+0·48	−0·02	3	9·58	49.11296
7417	8·9	37 22·00	...	4·1402	·038	...	45 56 4·7	...	12·709	·46	...	3	8·65	46.10065
7418	9·0	37 43·45	0·00	4·2154	·042	−0·003	47 54 52·1	−0·1	12·733	·47	−0·08	5	8·57	47.10466
7419	9·8	38 1·49	...	4·2526	·043	...	48 51 35·1	...	12·753	·47	...	3	9·69	48.10468
7420	9·2†	38 22·79	...	4·3768	·050	...	51 42 33·3	...	12·777	·49	...	3	9·50	51.11555
7421	8·8	20 38 32·51	−0·01	+4·1588	−0·039	−0·006	−46 33 4·5	−0·1	+12·788	+0·46	−0·06	3	8·52	46.10071
7422	8·5*	38 36·36	−0·01	3·9878	·032	−0·002	41 39 23·6	−0·1	12·792	·44	−0·03	5	6·68	41. 9441
7423	8·5	38 41·33	...	4·0697	·035	...	44 6 43·1	...	12·798	·45	...	3	8·63	44. 9880
7424	9·0	38 50·50	−0·02	4·0415	·034	−0·010	43 18 23·0	−0·5	12·808	·45	−0·21	5	7·66	43. 9300
7425	9·3	38 53·31	...	4·0869	·036	...	44 37 31·0	...	12·811	·45	...	3	8·64	44. 9881
7426	9·0	20 38 55·91	...	+4·1757	−0·040	...	−47 1 51·6	...	+12·814	+0·46	...	3	8·64	47. 9565
7427	9·7	39 0·45	...	4·0137	·033	...	42 29 36·2	...	12·819	·44	...	5	7·69	42. 9143
7428	7·4*	39 0·56	0·00	4·2682	·045	+0·004	49 19 59·1	0·0	12·819	·47	−0·03	3	9·63	49.11302
7429	9·0*	39 1·71	−0·04	4·0561	·035	−0·011	43 45 11·1	+0·1	12·821	·45	+0·04	5	6·75	43. 9302
7430	9·0†	39 1·91	...	3·9706	·031	...	41 9 44·0	...	12·821	·44	...	5	7·48	41. 9444
7431	8·0	20 40 11·36	0·00	+4·3317	−0·048	−0·002	−50 54 33·4	0·0	+12·899	+0·48	−0·06	3	9·46	51.11563
7432	9·3*	40 12·28	−0·04	4·0471	·035	−0·011	43 36 44·6	−0·2	12·900	·45	−0·05	5	6·73	43. 9307
7433	9·0	40 13·97	...	3·9743	·032	...	41 24 10·0	...	12·902	·44	...	5	7·66	41. 9448
7434	9·8	40 14·05	...	4·2894	·046	...	49 57 10·7	...	12·902	·47	...	3	9·70	50.11435
7435	8·0	40 18·54	0·00	4·1898	·041	0·000	47 32 16·4	0·0	12·907	·46	+0·01	3	8·44	47. 9569
7436	9·4	20 40 22·62	...	+4·1995	−0·042	...	−47 47 34·0	...	+12·911	+0·46	...	3	8·61	47. 9570
7437	7·5	40 31·52	−0·01	4·1385	·039	−0·004	46 13 10·4	0·0	12·921	·46	−0·01	3	8·63	46.10074
7438	9·0	40 43·65	...	4·0114	·033	...	42 36 10·8	...	12·935	·44	...	5	7·49	42. 9148
7439	9·0*	40 43·96	+0·01	3·9885	·033	+0·002	41 53 53·1	−0·2	12·935	·44	−0·07	5	7·09	41. 9450
7440	9·2	41 7·25	−0·01	4·1128	·038	−0·008	45 34 57·8	0·0	12·961	·45	+0·02	3	8·54	45.10021

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7441	8·8	20 41 15·07	0·00	+4·3007	−0·047	−0·003	−50 19 5·7	0·0	+12·969	+0·47	0·00	3	9·59	50.11439
7442	9·4	41 27·47	...	4·3585	·050	...	51 37 54·2	...	12·983	·48	...	3	9·61	51.11566
7443	7·0	41 31·77	+0·01	4·0748	·036	+0·009	44 33 44·3	−0·1	12·988	·45	−0·07	3	8·52	44. 9888
7444	7·5*	41 46·56	+0·01	3·9371	·031	+0·002	40 22 1·8	−0·3	13·004	·43	−0·10	5	6·69	40. 9377
7445	9·4†	41 50·70	...	4·0455	·035	...	43 44 25·3	...	13·009	·44	...	5	7·12	43. 9315
7446	7·0*	20 41 54·51	−0·02	+4·0328	−0·035	−0·007	−43 22 27·9	0·0	+13·013	+0·44	−0·01	5	7·64	43. 9316
7447	9·5	42 3·26	...	4·0519	·036	...	44 0 57·6	...	13·023	·44	...	3	8·64	44. 9893
7448	8·3	42 6·21	0·00	4·2464	·045	+0·007	49 8 3·1	0·0	13·026	·46	−0·16	3	9·70	49.11315
7449	9·3	42 7·98	...	4·0948	·037	...	45 11 22·4	...	13·028	·45	...	3	8·57	45.10023
7450	7·3	42 14·63	0·00	4·2237	·044	−0·001	48 35 37·1	0·0	13·036	·46	0·00	3	9·59	48.10479
7451	8·1	20 42 21·33	0·00	+4·1613	−0·041	−0·002	−47 0 59·3	−0·1	+13·043	+0·46	−0·05	7	8·60	47. 9575
7452	5·0*	42 36·04	0·00	4·1444	·040	+0·002	46 35 47·8	0·0	13·059	·45	+0·01	3	8·62	46.10086
7453	8·1	42 51·94	−0·01	3·9870	·033	−0·002	42 4 53·4	+0·1	13·077	·43	+0·04	5	7·27	42. 9152
7454	9·0†	43 0·89	...	3·9605	·032	...	41 15 33·1	...	13·087	·43	...	5	7·30	41. 9456
7455	9·6	43 4·78	...	4·3295	·049	...	51 9 45·8	...	13·091	·47	...	3	9·71	51.11570
7456	8·2	20 43 17·19	0·00	+4·2334	−0·044	−0·006	−48 56 35·7	0·0	+13·105	+0·46	−0·01	5	9·58	49.11317
7457	8·6	43 32·36	−0·01	3·9225	·030	−0·002	40 4 44·6	0·0	13·121	·43	0·00	5	7·08	40. 9382
7458	9·1	43 43·56	0·00	4·2920	·047	−0·016	50 22 54·5	0·0	13·134	·47	−0·02	3	9·70	50.11449
7459	9·3	43 49·87	−0·01	3·9487	·032	−0·006	40 58 0·2	−1·0	13·141	·43	−0·44	5	7·64	41. 9458
7460	8·5*	43 54·26	−0·02	4·0086	·034	−0·006	42 51 34·7	0·0	13·146	·44	−0·01	5	6·72	42. 9156
7461	5·6*	20 44 16·38	0·00	+4·3611	−0·051	−0·001	−51 58 49·7	0·0	+13·170	+0·47	−0·02	3	9·59	52.11782
7462	9·5	44 22·79	−0·01	4·0873	·038	−0·008	45 13 26·6	0·0	13·177	·44	−0·02	3	8·52	45.10034
7463	9·3	44 35·64	...	4·1808	·042	...	47 45 56·2	...	13·191	·45	...	3	8·63	47. 9585
7464	9·4†	44 41·00	...	3·9923	·034	...	42 26 35·8	...	13·197	·43	...	5	7·08	42. 9159
7465	8·8	45 24·65	−0·01	4·0579	·037	−0·006	44 29 29·0	−0·1	13·245	·44	−0·07	3	8·44	44. 9898
7466	9·1	20 45 30·22	0·00	+4·2618	−0·047	−0·008	−49 52 2·8	0·0	+13·251	+0·46	+0·01	3	9·69	49.11324
7467	8·6	45 31·80	−0·01	4·0495	·036	−0·009	44 15 27·6	0·0	13·253	·43	−0·02	3	8·62	44. 9899
7468	8·3	45 33·44	0·00	4·2108	·044	−0·001	48 37 46·7	0·0	13·255	·46	−0·05	3	9·50	48.10490
7469	9·5*	45 42·91	−0·02	4·0249	·035	−0·006	43 32 46·3	+0·1	13·265	·43	+0·03	5	7·25	43. 9325
7470	8·5	45 45·41	0·00	4·3050	·049	+0·004	50 53 48·8	0·0	13·268	·46	−0·02	3	9·70	50.11455
7471	9·1	20 46 12·32	...	+4·1890	−0·043	...	−48 9 7·2	...	+13·299	+0·45	..	3	9·73	48.10494
7472	8·8	46 26·27	−0·01	4·0030	·035	−0·002	42 57 41·8	−0·1	13·312	·43	−0·03	5	7·10	43. 9328
7473	9·3	46 27·49	...	4·1140	·040	...	46 11 43·0	...	13·313	·44	...	3	8·44	46.10094
7474	8·5	46 32·18	0·00	4·0957	·039	0·000	45 41 39·6	−0·1	13·318	·44	−0·05	3:4	8·64	45.10043
7475	9·8	46 33·29	0·00	4·2883	·048	−0·009	50 36 0·1	0·0	13·320	·46	−0·01	3	9·71	50.11459
7476	9·9	20 47 0·90	...	+4·2226	−0·045	...	−49 4 58·3	...	+13·350	+0·45	...	3	9·70	49.11330
7477	8·0*	47 0·99	0·00	3·9529	·033	−0·001	41 27 3·8	−0·2	13·350	·42	−0·06	5	7·08	41. 9474
7478	5·0*	47 9·88	+0·01	3·9139	·031	+0·003	40 11 2·3	−0·2	13·360	·42	−0·10	5	7·64	40. 9399
7479	9·5	47 15·17	0·00	4·1346	·041	0·000	46 50 33·4	0·0	13·365	·44	+0·03	3	8·65	46.10096
7480	7·0	47 26·79	0·00	4·3061	·050	0·000	51 6 17·4	0·0	13·378	·46	−0·01	3	9·49	51.11584

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7481	6·5*	20 48 7·52	−0·03	+3·9145	−0·031	−0·011	−40 18 29·9	−0·2	+13·422	+0·42	−0·08	5	6·90	40. 9404
7482	8·6	48 17·92	...	4·0911	·039	...	45 45 48·9	...	13·433	·44	...	3	8·44	45.10051
7483	9·0	48 22·14	−0·02	4·0051	·035	−0·008	43 14 34·3	−0·2	13·438	·43	−0·08	5	7·65	43. 9334
7484	9·3	48 28·01	...	3·9582	·033	...	41 47 25·7	...	13·444	·42	...	5	7·69	41. 9482
7485	9·5	48 39·40	0·00	4·3045	·050	−0·001	51 12 5·6	0·0	13·457	·46	−0·03	3	9·49	51.11587
7486	8·8	20 48 53·61	0·00	+4·0569	−0·038	−0·002	−44 51 6·9	0·0	+13·472	+0·43	+0·03	3	8·64	44. 9909
7487	9·4	48 55·39	...	4·0699	·038	...	45 13 40·4	...	13·474	·43	...	3	8·66	45.10053
7488	9·1	48 57·87	...	4·1882	·044	...	48 26 22·0	...	13·477	·45	...	3	9·69	48.10499
7489	9·2	49 1·71	0·00	4·2682	·048	−0·005	50 24 24·7	0·0	13·481	·45	+0·10	3	9·71	50.11467
7490	9·4	49 14·74	+0·01	4·1601	·043	+0·004	47 44 35·9	+0·1	13·495	·44	+0·07	3	8·54	47. 9605
7491	9·5	20 49 19·10	...	+3·9889	−0·035	...	−42 51 13·5	...	+13·499	+0·42	...	5	7·04	42. 9171
7492	9·7	49 37·39	...	4·1006	·040	...	46 10 41·6	...	13·519	·44	...	3	8·66	46.10107
7493	8·3	49 52·44	0·00	4·2084	·045	−0·003	49 3 13·6	0·0	13·535	·45	+0·02	3	9·49	49.11334
7494	9·5	49 55·71	+0·01	3·9467	·033	+0·004	41 34 37·4	−0·1	13·539	·42	−0·03	5	7·63	41. 9490
7495	9·1	49 56·45	...	4·2851	·050	...	50 54 1·2	...	13·540	·45	...	3	9·70	50.11468
7496	9·1	20 50 17·81	0·00	+4·2176	−0·046	+0·005	−49 19 38·5	0·0	+13·563	+0·45	+0·02	3	9·70	49 11337
7497	9·0*	50 22·08	−0·02	3·9230	·032	−0·007	40 50 39·3	+0·1	13·567	·42	+0·03	4:5	6·71:6·72	40. 9413
7498	9·7	50 49·82	...	4·1382	·042	...	47 20 43·4	...	13·597	·44	. .	3	8·55	47. 9608
7499	8·7	50 53·54	...	4·1124	·041	...	46 39 13·3	...	13·601	·43	...	3	8·65	46.10111
7500	6·5*	51 3·04	−0·07	4·0361	·037	−0·054	44 29 9·4	−1·3	13·611	·43	−0·98	3	8·63	44. 9918
7501	8·5	20 51 10·60	+0·01	+4·1839	−0·045	+0·016	−48 34 49·0	−0·2	+13·619	+0·44	−0·33	3	9·49	48.10502
7502	9·0	51 25·57	−0·01	4·0624	·039	−0·004	45 18 0·5	0·0	13·635	·43	+0·03	3	8·63	45.10058
7503	8·5*	51 50·99	−0·01	3·9339	·033	−0·004	41 22 38·5	−0·3	13·662	·41	−0·09	5	6·69	41. 9498
7504	9·1	51 51·20	...	4·0214	·037	..	44 8 26·7	...	13·662	·42	...	3	8·55	44. 9920
7505	9·3	52 44·30	0·00	4·1603	·044	−0·001	48 8 52·0	0·0	13·719	·44	0·00	3	9·50	48.10508
7506	9·0*	20 53 4·99	−0·01	+4·0088	−0·037	−0·004	−43 53 41·3	−0·1	+13·741	+0·42	−0·02	5	6·77	43. 9343
7507	9·8	53 10·55	...	3·9515	·034	...	42 6 42·2	...	13·747	·41	...	5	7·64	42. 9185
7508	6·0*	53 14·71	0·00	4·3017	·052	−0·012	51 39 26·1	0·0	13·751	·45	+0·13	3	9·68	51.11594
7509	7·3†	53 20·44	0·00	3·9917	·036	−0·001	43 24 12·9	0·0	13·757	·42	+0·01	5	6·72	43. 9344
7510	9·5	53 24·95	...	4·0788	·040	...	46 0 25·5	...	13·762	·43	...	3	8·63	46.10117
7511	9·2	20 53 36·71	+0·01	+4·1285	−0·043	+0·007	−47 24 32·3	+0·1	+13·775	+0·43	+0·10	3	8·52	47. 9618
7512	8·3	53 43·53	0·00	3·9012	·032	0·000	40 30 4·5	0·0	13·782	·41	−0·02	5	7·66	40. 9430
7513	8·3	53 54·63	−0·01	4·0034	·037	−0·004	43 50 4·5	0·0	13·794	·42	+0·02	5	7·66	43. 9350
7514	9·5	54 4·56	...	4·2337	·048	...	50 9 29·0	...	13·804	·44	...	3	9·69	50.11475
7515	8·5	54 8·81	0·00	3·9317	·033	−0·001	41 34 3·6	−0·2	13·809	·41	−0·05	5	6·93	41. 9511
7516	9·4	20 54 21·17	...	+4·0342	−0·038	...	−44 48 59·8	...	+13·822	+0·42	...	3	8·67	44. 9926
7517	8·1	54 22·57	0·00	4·2153	·047	+0·005	49 44 30·0	0·0	13·823	·44	0·00	3	9·49	49.11347
7518	9·5	54 29·32	...	4·1360	·043	...	47 42 50·8	...	13·830	·43	...	3	8·55	47. 9620
7519	9·6	54 45·69	0·00	4·1945	·047	+0·009	49 16 6·3	0·0	13·848	·44	+0·06	3	9·71	49.11349
7520	9·6	54 55·69	...	4·1469	·044	...	48 3 24·5	...	13·858	·43	...	3	9·72	48.10510

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7521	10·1	20 54 57·51	...	+4·1724	−0·045	...	−48 43 36·4	...	+13·860	+0·43	...	3	9·73	48.10511
7522	7·8*	55 21·54	−0·01	3·9547	·035	−0·004	42 28 13·1	−0·2	13·885	·41	−0·06	5	6·69	42. 9197
7523	9·0†	55 27·01	...	3·9351	·034	...	41 50 20·0	...	13·891	·41	...	5	7·46	41. 9525
7524	8·3	55 29·07	0·00	4·2367	·049	0·000	50 23 43·6	0·0	13·893	·44	+0·04	3	9·49	50.11481
7525	9·4	55 33·81	0·00	4·2567	·050	+0·010	50 52 57·8	0·0	13·898	·44	−0·16	3	9·70	50.11482
7526	6·5*	20 55 35·51	0·00	+3·9845	−0·036	0·000	−43 23 27·1	−0·3	+13·900	+0·41	−0·12	5	7·12	43. 9359
7527	8·3	56 22·75	0·00	4·0714	·041	−0·003	46 8 47·1	0·0	13·950	·42	+0·01	3	8·60	46.10129
7528	8·6†	57 9·78	...	3·8775	·032	...	40 4 47·3	...	13·999	·40	...	5	7·10	40. 9441
7529*	7·0†	57 15·35	0·00	4·1477	·045	−0·002	48 21 19·8	0·0	14·004	·43	−0·02	3	9·49	48.10519
7530	8·8*	57 17·02	0·00	3·9056	·033	0·000	41 4 29·6	0·0	14·006	·40	+0·01	5	7·08	41. 9536
7531	7·5	20 57 32·06	0·00	+4·2804	−0·052	−0·004	−51 40 13·4	0·0	+14·022	+0·44	+0·03	3	9·69	51.11604
7532	8·7†	57 35·87	...	3·8855	·032	...	40 24 52·1	...	14·026	·40	...	5	7·31	40. 9446
7533	7·0*	57 44·62	+0·01	4·0831	·042	+0·009	46 38 58·2	−0·1	14·035	·42	−0·09	3	8·52	46.10139
7534	9·2	57 45·94	0·00	3·9603	·036	+0·001	42 56 44·9	−0·3	14·036	·41	−0·11	5	7·68	43. 9368
7535	7·0*	57 46·59	+0·01	3·9772	·037	+0·002	43 28 52·3	0·0	14·037	·41	0·00	5	7·48	43. 9367
7536	9·0	20 57 50·29	0·00	+4·0215	−0·039	+0·002	−44 51 22·6	0·0	+14·041	+0·41	−0·01	3	8·63	44. 9933
7537	9·8	57 53·91	...	4·1890	·047	...	49 30 9·8	...	14·045	·43	...	3	9·71	49.11356
7538	9·5	58 10·47	0·00	4·2440	·051	−0·010	50 53 21·7	0·0	14·062	·43	+0·08	3	9·72	50.11487
7539	8·3	58 40·48	0·00	4·0442	·040	−0·003	45 38 17·7	−0·1	14·093	·41	−0·06	3	8·60	45.10084
7540	7·0*	58 55·51	−0·02	3·9866	·037	−0·008	43 55 5·1	−0·2	14·109	·41	−0·08	5	7·63	44. 9936
7541	7·3	20 58 59·76	−0·01	+4·0330	−0·040	−0·009	−45 20 47·0	0·0	+14·113	+0·41	−0·03	3	8·55	45.10087
7542	7·5	59 23·32	0·00	4·1594	·046	−0·007	48 55 25·5	0·0	14·138	·42	−0·03	3	9·58	49.11361
7543	9·5	59 33·62	+0·01	4·2150	·049	+0·017	50 21 19·0	−0·1	14·148	·43	−0·30	3	9·60	50.11489
7544	6·0*	59 55·14	0·00	3·9171	·034	0·000	41 47 5·5	−0·1	14·170	·40	−0·02	5	6·73	41. 9552
7545	9·5	21 0 14·87	...	4·0080	·039	...	44 44 41·7	...	14·191	·41	...	3	8·52	44. 9942
7546	9·5	21 0 32·18	...	+4·2445	−0·051	...	−51 11 26·5	...	+14·208	+0·43	...	3	9·49	51.11609
7547	9·7	0 52·33	...	4·1071	·044	...	47 42 19·0	...	14·229	·42	...	3	8·64	47. 9633
7548	8·1	0 58·07	−0·02	4·0526	·041	−0·012	46 10 13·3	0·0	14·235	·41	−0·02	3	8·63	46.10157
7549	8·5*	0 58·98	−0·02	3·9009	·034	−0·007	41 22 6·8	0·0	14·236	·39	−0·01	5	6·75	41. 9556
7550	6·5*	0 59·16	0·00	4·1678	·047	0·000	49 20 24·7	0·0	14·236	·42	−0·05	3	9·69	49.11369
7551	6·0*	21 1 2·22	0·00	+4·0391	−0·041	0·000	−45 46 50·4	−0·1	+14·239	+0·41	−0·04	3	8·66	45.10092
7552	9·5*	1 14·88	−0·01	3·9383	·036	−0·002	42 38 48·5	−0·1	14·252	·40	−0·02	5	7·29	42. 9221
7553	7·7	1 15·18	−0·01	4·0764	·043	−0·004	46 53 40·2	0·0	14·253	·41	+0·03	3	8·55	46.10158
7554	9·0†	1 27·39	...	3·8666	·032	...	40 13 32·3	...	14·265	·39	...	5	7·47	40. 9463
7555	8·5	2 21·59	−0·01	4·0212	·040	−0·007	45 24 54·7	−0·1	14·320	·40	−0·05	3	8·54	45.10102
7556	9·2	21 2 23·99	...	+4·0891	−0·044	...	−47 23 53·4	...	+14·323	+0·41	...	3	8·63	47. 9641
7557	8·5*	2 32·56	0·00	3·9649	·037	−0·001	43 40 44·1	0·0	14·332	·40	−0·01	5	6·76	43. 9383
7558	9·0	2 36·68	−0·05	3·8896	·034	−0·014	41 10 58·0	+0·2	14·336	·39	+0·07	5	6·46	41. 9566
7559	9·6	2 41·59	...	4·1187	·045	...	48 15 17·4	...	14·341	·41	...	3	9·49	48.10534
7560	9·3	2 43·07	+0·01	3·9805	·038	+0·011	44 12 12·7	0·0	14·342	·40	−0·02	3	8·65	44. 9955

7529. $7^m·0$, $10^m·5$ 3″·2 317° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7561	8·4	21 3 4·87	...	+4·0572	−0·042	...	−46 34 26·0	...	+14·365	+0·41	...	3	8·68	46.10165
7562	6·5*	3 6·62	0·00	3·9920	·039	+0·002	44 36 52·1	−0·1	14·366	·40	−0·04	3	8·56	44. 9957
7563	7·0*	3 35·23	−0·01	3·9640	·037	−0·003	43 47 16·4	−0·1	14·395	·40	−0·04	5	6·75	43. 9388
7564	9·3	3 37·42	...	4·1318	·046	...	48 43 29·4	...	14·398	·41	...	3	9·58	48.10536
7565	9·7	3 42·07	...	4·1715	·049	...	49 46 37·0	...	14·402	·42	...	3	9·69	49.11378
7566	7·0*	21 4 20·11	0·00	+3·8607	−0·033	−0·001	−40 22 49·8	−0·2	+14·441	+0·38	−0·09	5	7·29	40. 9480
7567	9·5	4 39·28	...	3·9244	·036	...	42 37 36·0	...	14·460	·39	...	5	6·95	42. 9231
7568	9·5	4 40·47	0·00	3·9369	·036	0·000	43 2 50·2	−0·1	14·461	·39	−0·04	5	7·65	43. 9394
7569	8·5	4 46·31	0·00	4·1434	·047	+0·004	49 10 51·3	0·0	14·467	·41	−0·03	3	9·49	49.11380
7570	9·5	4 56·50	...	4·0640	·043	...	47 0 39·8	...	14·478	·40	...	3	8·54	47. 9647
7571	8·6	21 4 56·96	0·00	+4·2332	−0·053	−0·007	−51 28 13·7	0·0	+14·478	+0·42	+0·02	3	9·69	51.11622
7572	8·8	4 59·19	0·00	3·9968	·040	+0·001	45 0 18·1	0·0	14·480	·40	−0·02	3	8·64	45.10113
7573	9·5	5 8·95	...	3·9051	·035	...	42 2 2·4	...	14·490	·39	...	5	7·66	42. 9234
7574	9·3	5 14·54	...	4·0785	·044	...	47 28 0·5	...	14·496	·40	...	3	8·65	47. 9648
7575	9·6	5 17·01	...	4·1778	·050	...	50 8 30·7	...	14·498	·41	...	3	9·72	50.11497
7576	9·9	21 5 41·51	...	+4·1873	−0·050	...	−50 26 12·9	...	+14·523	+0·41	...	3	9·72	50.11499
7577	7·8	5 44·90	0·00	4·2478	·054	+0·001	51 55 20·2	0·0	14·526	·42	−0·01	5	9·58	52.11832
7578	8·5*	6 2·75	+0·02	3·9068	·035	+0·005	42 12 50·3	−0·6	14·544	·39	−0·19	5	6·77	42. 9240
7579	8·5	6 4·49	−0·01	4·0078	·041	−0·006	45 29 18·8	−0·1	14·546	·40	−0·08	3	8·54	45.10114
7580	9·8	6 21·04	...	4·1191	·047	...	48 44 4·4	...	14·563	·41	...	3	9·71	48.10545
7581	8·3	21 6 41·92	...	+4·2048	−0·052	...	−51 0 14·5	...	+14·584	+0·41	...	3	9·60	51.11627
7582	7·1	6 42·55	−0·01	4·0893	·045	−0·005	47 57 41·3	0·0	14·584	·40	0·00	9	8·65	48.10547
7583	7·0*	7 15·37	+0·01	3·9417	·037	+0·002	43 32 24·2	0·0	14·617	·39	−0·01	5	6·96	43. 9402
7584	9·0*	7 22·68	−0·01	3·8900	·035	−0·003	41 48 50·7	−0·1	14·624	·38	−0·06	5	7·64	41. 9592
7585	9·0	7 26·60	0·00	3·8701	·034	−0·001	41 7 10·2	+0·1	14·628	·38	+0·03	5	7·68	41. 9593
7586	7·0	21 7 36·45	−0·01	+4·0243	−0·042	−0·009	−46 11 33·8	−0·2	+14·638	+0·39	−0·13	3	8·54	46.10175
7587	8·8	7 46·83	0·00	3·9606	·038	+0·001	44 13 53·8	−0·1	14·648	·39	−0·07	3	8·65	44. 9967
7588	8·0	7 47·37	0·00	3·8482	·033	−0·001	40 22 25·8	0·0	14·649	·38	−0·02	5	7·68	40. 9497
7589	8·0*	7 54·69	0·00	3·8419	·033	−0·001	40 9 56·7	0·0	14·656	·38	−0·01	5	7·66	40. 9498
7590	8·0*	8 3·83	0·00	3·9248	·037	0·000	43 5 42·4	−0·1	14·665	·38	−0·04	5	7·49	43. 9404
7591	7·0	21 8 10·72	0·00	+4·1389	−0·048	−0·005	−49 30 37·7	0·0	+14·672	+0·41	+0·02	3	9·49	49.11384
7592	8·1	8 27·60	−0·01	3·9802	·040	−0·004	44 56 56·0	−0·1	14·689	·39	−0·05	8	8·59	45.10123
7593	9·5	8 40·41	...	4·0061	·041	...	45 47 0·2	...	14·702	·39	...	3	8·64	45.10124
7594	9·7	8 47·30	...	3·9906	·040	...	45 19 5·5	...	14·708	·39	...	3	8·56	45.10125
7595	8·0	9 11·98	...	4·1899	·052	...	50 57 34·0	...	14·733	·41	...	3	9·58	51.11634
7596	9·2	21 9 27·54	...	+4·0312	−0·043	...	−46 38 57·3	...	+14·748	+0·39	...	3	8·56	46.10182
7597	9·3	9 46·65	...	4·2204	·054	...	51 47 20·4	...	14·767	·41	...	3	9·61	51.11635
7598	8·2	9 52·27	0·00	4·1637	·051	−0·002	50 22 54·1	0·0	14·772	·40	−0·02	3	9·71	50.11512
7599	9·0*	9 55·00	0·00	3·8578	·034	−0·001	41 0 53·0	0·0	14·775	·37	0·00	5	6·95	41. 9599
7600	8·3	10 34·40	...	4·0896	·046	...	48 29 10·6	...	14·814	·40	...	3	9·58	48.10554

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7601	8·7	21 10 45·50	+0·01	+4·0523	−0·044	+0·004	−47 26 51·7	−0·2	+14·825	+0·39	−0·12	3	8·41	47. 9661
7602	7·0	11 3·99	0·00	4·1105	·048	−0·006	49 8 0·8	0·0	14·843	·40	−0·09	3	9·60	49.11393
7603	9·0	11 24·14	−0·01	3·8931	·036	−0·005	42 27 52·1	−0·1	14·863	·37	−0·03	5	7·48	42. 9249
7604	9·5†	11 25·71	...	3·8368	·033	...	40 26 58·1	...	14·864	·37	...	4	6·78	40. 9507
7605	9·5	11 28·85	...	3·8291	·033	...	40 10 7·5	...	14·867	·37	...	5	7·49	40. 9509
7606	9·4	21 11 29.36	...	+3·9053	−0·037	..	−42 53 28·9	...	+14·868	+0·38	...	5	7·68	42. 9250
7607	7·6	11 42·98	+0·01	4·0215	·043	+0·004	46 39 57·9	−0·1	14·883	·39	−0·05	3	8·47	46.10187
7608	7·8	11 48·31	−0·01	3·9899	·041	−0·005	45 42 31·8	0·0	14·886	·38	−0·01	3	8·56	45.10131
7609	7·0*	11 53·91	+0·05	3·9289	·038	+0·019	43 45 15·1	+0·1	14·892	·38	+0·02	5	7·46	43. 9422
7610	9·1	11 59·54	...	4·2004	·054	...	51 35 50·2	...	14·897	·40	...	3	9·49	51.11642
7611	9·3	21 12 5·62	0·00	+3·9582	−0·040	0·000	−44 44 35·1	0·0	+14·903	+0·38	+0·02	3	8·64	44. 9986
7612	8·8	12 6·25	0·00	4·1813	·052	−0·014	51 7 53·8	0·0	14·904	·40	−0·05	3	9·69	51.11643
7613	7·5	12 33·67	0·00	4·1284	·050	+0·003	49 49 6·3	0·0	14·931	·40	−0·01	3	9·71	49.11396
7614	6·5*	12 38·22	0·00	4·0443	·045	0·000	47 28 25·7	−0·1	14·935	·39	−0·05	3	8·55	47. 9670
7615	8·1	12 54·48	0·00	4·1599	·051	−0·004	50 41 37·2	0·0	14·951	·40	−0·06	3	9·58	50.11528
7616	7·3*	21 13 5·06	−0·01	+3·8586	−0·035	−0·003	−41 28 23·8	0·0	+14·961	+0·37	−0·01	5	7·12	41. 9604
7617	8·3	13 21·38	0·00	4·1028	·048	−0·006	49 14 4·8	0·0	14·977	·39	0·00	3	9·60	49.11398
7618	8·3	13 21·46	0·00	3·9890	·042	+0·002	45 53 59·0	0·0	14·977	·38	+0·02	3	8·55	46.10191
7619*	Var.	13 34·04	−0·01	3·9736	·041	−0·004	45 26 37·7	−0·1	14·989	·38	−0·04	3	8·64	45.10135
7620	8·3*	13 35·10	+0·01	3·9027	·037	+0·005	43 5 59·4	−0·2	14·990	·37	−0·09	5	7·47	43. 9427
7621	8·8	21 13 40·10	0·00	+3·9294	−0·039	+0·001	−44 0 53·4	0·0	+14·995	+0·37	−0·02	5	8·50	44. 9992
7622	9·5	13 43·62	...	4·0557	·046	...	47 57 23·8	...	14·998	·39	...	3	8·68	48.10561
7623	9·5	13 56·15	...	4·0621	·046	...	48 10 20·5	...	15·011	·39	...	3	9·72	48.10562
7624	8·0	13 59·39	−0·03	3·8391	·034	−0·010	40 53 10·5	−0·2	15·014	·36	−0·06	5	7·47	40. 9519
7625	8·0	14 14·19	−0·02	3·9958	·042	−0·015	46 14 0·1	0·0	15·028	·38	+0·01	3	8·56	46.10194
7626	9·0	21 14 20·64	+0·01	+4·0295	−0·044	+0·011	−47 16 27·2	+0·1	+15·034	+0·38	+0·06	3	8·64	47. 9676
7627	6·2*	14 25·13	0·00	4·1389	·051	−0·006	50 21 24·4	−0·1	15·038	·39	−0·13	3	9·59	50.11534
7628	8·0*	14 55·50	−0·01	3·8600	·035	−0·004	41 46 42·8	+0·1	15·068	·36	+0·02	5	7·29	41. 9611
7629	8·0*	15 1·93	−0·01	3·9049	·038	−0·005	43 22 29·5	−0·1	15·074	·37	−0·04	5	7·29	43. 9431
7630	7·5*	15 14·78	0·00	3·1806	·054	+0·006	51 32 52·7	0·0	15·086	·39	−0·01	3	9·58	51.11653
7631	8·0*	21 15 16·72	−0·02	+3·9169	−0·038	−0·006	−43 49 28·2	+0·1	+15·088	+0·37	+0·02	5	7·11	43. 9432
7632	8·9	15 27·02	...	4·0124	·044	...	46 54 59·2	...	15·098	·38	...	3	8·41	47. 9686
7633	9·2	15 41·42	0·00	3·9409	·040	+0·002	44 41 5·9	0·0	15·112	·37	+0·02	3	8·63	44. 9999
7634	8·4	15 59·81	−0·02	3·9361	·040	−0·012	44 34 11·3	−0·1	15·129	·37	−0·08	3	8·56	44.10000
7635	7·3	15 59·95	0·00	4·0766	·048	0·000	48 52 43·2	−0·1	15·130	·38	−0·15	3	9·60	48.10566
7636	9·0*	21 16 24·91	−0·06	+3·8703	−0·036	−0·017	−42 21 43·0	−0·5	+15·153	+0·36	−0·14	5	6·72	42. 9261
7637	7·0*	17 20·92	+0·01	3·8085	·033	+0·004	40 12 18·4	−0·3	15·207	·35	−0·08	5	6·74	40. 9531
7638	6·0*	17 41·94	+0·01	4·0059	·044	+0·004	47 2 33·2	−0·1	15·227	·37	−0·04	3	8·39	47. 9688
7639	8·8	17 42·57	−0·01	3·9129	·039	−0·005	44 2 27·3	0·0	15·227	·36	−0·02	3	8·49	44.10009
7640	9·2†	17 44·11	0·00	4·1496	·053	−0·007	51 6 10·9	0·0	15·229	·39	−0·08	3	9·58	51.11661

7619. L=7^m·2 and 8^m·9.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7641	7·5*	21 17 44·22	−0·02	+3·8136	−0·034	−0·007	−40 27 26·4	−0·2	+15·229	+0·35	−0·07	5	6·74	40. 9535
7642	9·8	17 50·02	...	4·0241	·045	...	47 36 56·9	...	15·234	·37	...	3	8·66	47. 9689
7643	8·9	17 53·36	0·00	4·0930	·049	−0·004	49 36 24·2	0·0	15·238	·38	−0·02	3	9·60	49.11409
7644	9·3	17 58·27	...	4·0568	·047	...	48 35 28·6	...	15·242	·38	...	3	9·71	48.10570
7645*	6·0*	18 2·35	0·00	3·8382	·035	−0·001	41 26 6·3	0·0	15·246	·36	+0·01	5	7·29	41. 9624
7646	9·2	21 18 9·77	...	+4·1066	−0·050	...	−50 1 21·2	..	+15·255	+0·38	..	3	9·72	50.11544
7647	8·3*	18 21·67	+0·01	3·8641	·036	+0·002	42 25 28·9	−0·1	15·264	·36	−0·02	5	7·13	42. 9269
7648	9·5	18 30·66	...	3·3848	·037	...	43 10 49·6	...	15·273	·36	...	5	7·65	43. 9442
7649	9·3	18 39·57	...	3·9218	·040	...	44 28 51·7	...	15·281	·36	...	3	8·49	44.10012
7650	9·5	18 49·73	...	4·1258	·052	...	50 38 10·8	...	15·291	·38	...	3	9·58	50.11545
7651	7·0*	21 18 49·86	0 00	+3·9546	−0·041	+0·001	−45 35 28·4	0·0	+15·291	+0·37	+0·01	3	8·39	45.10145
7652	8·4	18 52·20	...	3·9745	·043	...	46 14 1·3	...	15·293	·37	...	3	8·65	46.10210
7653	8·5*	19 4·53	−0·01	3·8532	·036	−0·002	42 7 56·2	0·0	15·305	·36	0·00	5	6·72	42. 9273
7654	8·0	19 5·12	...	3·9851	·043	...	46 35 58·7	...	15·305	·37	...	3	8·67	46.10212
7655	9·1†	19 43·84	...	3·8329	·035	...	41 29 12·8	...	15·342	·35	...	5	6·79	41. 9631
7656	8·1	21 19 46·18	−0·01	+4·0082	−0·045	−0·004	−47 25 0·6	+0·1	+15·344	+0·37	+0·05	3	8·41	47. 9697
7657	9·0	19 57·59	...	3·9324	·041	...	45 1 45·6	...	15·354	·36	...	3	8·48	45.10148
7658	8·0	20 4·61	−0·01	3·9394	·041	−0·009	45 16 39·2	−0·1	15·361	·36	−0·10	3	8·65	45.10149
7659	8·4	20 24·53	0·00	4·1524	·054	−0·005	51 33 54·8	0·0	15·380	·38	−0·04	3	9·49	51.11667
7660	8·3*	20 27·16	−0·01	3·8578	·037	−0·002	42 30 23·9	−0·1	15·382	·36	−0·04	5	7·44	42. 9274
7661	9·7	21 20 35·63	...	+4·0213	−0·046	...	−47 56 7·2	...	+15·390	+0·37	...	3	8·59	48.10576
7662*	5·8*	20 36·80	−0·02	3·8703	·037	−0·008	42 58 51·4	0·0	15·391	·36	0·00	19:18	7·25:7·28	43. 9451
7663	9·8†	20 42·13	...	3·8927	·039	...	43 46 38·0	...	15·396	·36	...	5	7·29	43. 9453
7664	9·3	20 51·37	...	4·0345	·047	...	48 21 57·5	...	15·405	·37	...	3	9·69	48.10577
7665	8·9	20 51·51	+0·01	3·9085	·040	+0·005	44 21 21·9	0·0	15·405	·36	−0·02	3	8·39	44.10021
7666	8·5	21 21 3·06	...	+4·0796	−0·050	...	−49 41 46·7	...	+15·416	+0·37	...	3	9·71	49.11419
7667	8·5	21 36·42	0·00	3·9204	·040	−0·002	44 52 20·0	0·0	15·447	·36	−0·03	3	8·56	44.10025
7668	9·3	21 54·52	...	3·9611	·043	...	46 15 42·6	...	15·464	·36	...	3	8·41	46.10221
7669	9·3*	22 26·56	−0·02	3·8129	·035	−0·006	41 8 7·2	0·0	15·493	·35	0·00	5	6·74	41. 9636
7670	9·1	22 34·27	...	3·9748	·044	...	46 47 56·8	...	15·500	·36	...	3	8·57	46.10224
7671	10·0	21 22 46·38	...	+4·0441	−0·048	...	−48 56 17·1	...	+15·512	+0·37	...	3	9·71	49.11426
7672	9·3	22 46·62	...	4·0791	·050	...	49 56 29·7	...	15·512	·37	...	3	9·73	50.11556
7673	9·3	22 47·28	0·00	4·0319	·047	+0·009	48 34 49·8	0·0	15·512	·37	−0·04	3	9·50	48.10585
7674	9·0*	22 52·65	+0·01	3·8301	·036	+0·003	41 51 5·9	−0·3	15·517	·35	−0·10	5	7·10	41. 9637
7675	8·3	22 53·77	0·00	4·1088	·052	+0·004	50 46 41·1	0·0	15·518	·37	−0·07	3	9·70	50.11557
7676	9·0	21 23 16·17	0·00	+3·8389	−0·036	0·000	−42 14 1·3	−0·2	+15·539	+0·35	−0·09	5	7·64	42. 9280
7677	7·0*	23 24·14	+0·01	3·8855	·039	+0·002	43 56 34·2	−0·2	15·546	·35	−0·06	9	7·19	44.10038
7678	9·0	23 32·84	0·00	3·8011	·034	+0·001	40 50 14·8	0·0	15·554	·34	0·00	5	7·28	40. 9554
7679	8·8	23 38·32	0·00	3·9454	·042	−0·001	46 0 49·7	0·0	15·560	·36	−0·01	3	8·39	46.10225
7680	7·9	23 43·99	0·00	3·9004	·040	−0·003	44 30 43·3	−0·1	15·565	·35	−0·06	3	8·49	44.10039

7645. $6^m·3$, $7^m·5$ 1″·0 273° Mass observed.

7662. $6^m·0$, $8^m·1$ 3″·0 146° Probably mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7681	8·3	21 24 13·28	...	+4·1202	−0·054	...	−51 17 2·1	...	+15·592	+0·37	...	3	9·50	51.11674
7682	8 8	24 45·46	0·00	4·0901	·052	−0·004	50 32 49·6	0·0	15·621	·37	−0·07	3	9·70	50.11563
7683	8·8	24 53·55	−0·01	3·9382	·042	−0·007	45 58 18·5	+0·1	15·628	·35	+0·05	3	8·39	46.10232
7684	9·6†	24 55·82	...	3 8460	·037	...	42 45 29·1	...	15·630	·34	...	5	7·29	42. 9285
7685	9·8	25 33·01	...	3·9580	·044	...	46 43 12·7	...	15·664	·35	...	3	8·59	46.10237
7686	8·2	21 25 33·52	0·00	+4·0417	−0·049	0·000	−49 17 33·2	−0·1	+15·665	+0·36	−0·11	3	9·50	49.11434
7687	8·0*	25 42·59	0·00	3·9872	·046	−0·001	47 40 24·9	0·0	15·673	·36	+0·02	3	8·39	47. 9710
7688	9·0	25 42·78	0·00	3·9470	·043	0·000	46 23 21·6	0·0	15·673	·35	0·00	3	8·56	46.10239
7689	9·4	25 45·78	...	4·0186	·048	...	48 38 28·6	...	15·676	·36	...	3	9·69	48.10595
7690	6·0*	25 46·08	−0·01	3·8124	·035	−0·003	41 37 11·4	0·0	15 676	·34	+0·01	5	7·51	41. 9645
7691	8·5	21 25 54·63	−0·01	+3·7865	−0·034	−0·005	−40 38 0·3	−0·5	+15·684	+0·34	−0·22	5	7·66	40. 9560
7692	9·6	26 14·81	−0·01	3·8673	·039	−0·006	43 44 20·5	−0·2	15·702	·34	−0·08	5	7·71	43. 9471
7693	9·0	26 23·01	...	3·9966	·046	...	48 4 7·6	...	15·710	·36	...	5	9·72	48.10598
7694	9·4	26 31·41	0·00	3·7789	·034	+0·001	40 25 6·3	−0·1	15·717	·34	−0·05	5	7·35	40. 9562
7695	10·0	26 37·67	...	3·8265	·037	...	42 17 41·8	...	15·723	·34	...	5	7·70	42. 9290
7696	9·0	21 26 48·74	...	+4·0521	−0·050	...	−49 47 27·1	...	+15·733	+0·36	...	3	9·50	49.11437
7697	6·5	26 54·83	0·00	3·9085	·041	−0·002	45 17 26·1	0·0	15·738	·35	−0·02	3	8·39	45.10158
7698	9·2	27 8·93	0 00	4·0916	·053	−0·005	50 57 23·1	0·0	15·751	·36	−0·08	3	9·69	51.11685
7699	9·6	27 10·19	...	4·1207	·055	...	51 44 40·6	...	15·752	·36	...	3	9·72	51.11686
7700	7·5	27 27·46	−0·01	3·9590	·045	−0·004	47 3 8·5	−0·1	15·768	·35	−0·06	3	8·56	47. 9715
7701	9·3	21 27 32·78	...	+3·8774	−0·040	...	−44 18 17·2	...	+15·773	+0·34	...	3	8·68	44.10048
7702	6·5*	27 54·22	−0·02	3·8500	·038	−0·007	43 22 4·5	−0·1	15·792	·34	−0·04	5	6·79	43. 9476
7703	9·4	28 0·71	...	3·8977	·041	...	45 5 37·8	...	15·798	·34	...	3	8·39	45.10160
7704	8·4	28 13·50	−0·03	4·0598	·051	−0·064	50 14 2·5	−0·1	15·809	·36	−0·11	3	9·50	50.11576
7705	8·2	28 33·43	−0·01	3·9053	·042	−0·005	45 26 32·5	−0·1	15·827	·34	−0·06	3	8·56	45.10162
7706	9·0*	21 29 22·18	0·00	+3·8201	−0·037	−0·001	−42 28 49·2	−0·1	+15·871	+0·33	−0·04	4:5	7·00:7·12	42. 9296
7707	9·3	29 32·95	0·00	3·9911	·047	+0·002	48 24 3·5	0·0	15·880	·35	−0·02	3	9·60	48.10604
7708	7·4	29 50·48	+0·02	4·0882	·054	+0·039	51 17 10·6	−0·1	15·896	·36	−0·22	3	9·59	51.11696
7709	9·3	29 59·08	...	3·8288	·038	...	42 54 33·2	...	15·903	·33	...	5	7·68	43. 9482
7710	8·5	30 7·57	−0·02	3·7822	·035	−0·008	41 7 34·7	0·0	15·911	·33	−0·01	5	7·70	41. 9660
7711	7·5	21 30 7·61	−0·01	+3·7734	−0·034	−0·004	−40 46 35·6	−0·1	+15·911	+0·33	−0·04	5	7·52	40. 9572
7712	8·0	30 7·71	0·00	3·8655	·040	+0·002	44 17 40·0	−0·1	15·911	·34	−0·04	3	8·41	44.10057
7713	9·3	30 12·69	...	3·9637	·046	...	47 38 49·1	...	15·915	·34	...	3	8·54	47. 9722
7714	9·0	30 15·06	0·00	4·1038	·055	+0·004	51 46 37·7	0·0	15·918	·36	−0·07	3	9·71	51.11697
7715	9·0*	30 22·80	−0·01	3·7603	·034	−0·002	40 16 47·9	−0·3	15·924	·33	−0·10	4:5	7·21:7·29	40. 9574
7716	9·5	21 30 24·81	...	+3·8349	−0 038	...	−43 12 35·0	. .	+15·926	+0·33	...	5	7·68	43. 9483
7717	8·6	31 1·61	...	4·0284	·050	...	49 46 8·5	...	15·959	·35	...	3	9·50	49.11452
7718	9·9	31 9·49	...	4·0467	·052	...	50 19 30·3	...	15·966	·35	...	3	9·71	50.11581
7719	8·9	31 9·75	...	3·9236	·044	...	46 29 20·8	...	15·966	·34	...	3	8·47	46.10258
7720	9·1	31 12·61	0·00	3·9945	·048	+0·001	48 46 30·0	0·0	15·968	·35	−0·03	3	9·70	48.10608

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7721	7·7	21 31 14·35	−0·01	+3·9098	−0·043	−0·004	−46 1 50·2	−0·2	+15·970	+0·34	−0·12	6	8·57	46.10259
7722	9·1	31 34·46	...	3·8891	·042	...	45 22 4·6	...	15·983	·34	...	3	8·68	45.10169
7723	9·6†	31 49·86	...	3·8051	·037	...	42 17 59·6	...	16·001	·33	...	5	7·29	42. 9301
7724	9·1	32 20·07	...	3·8251	·038	...	43 9 41·5	...	16·028	·33	...	5	7·66	43. 9486
7725	8·0*	32 24·71	−0·01	3·7822	·036	−0·002	41 29 52·0	0·0	16·032	·32	−0·01	5	7·12	41. 9669
7726	9·4	21 32 57·82	...	+3 8527	−0·040	...	−44 17 42·1	...	+16·061	+0·33	...	3	8·47	44.10068
7727	8·8	33 2·54	+0·01	3·9228	·044	+0·004	46 46 21·3	−0·1	16·065	·34	−0·06	3	8·56	46.10264
7728	9·7	33 4·53	...	3·9848	·048	...	48 47 0·7	...	16·067	·34	...	3	9·60	48.10616
7729	8·3	33 6·81	−0·01	3·8723	·041	−0·004	45 2 0·4	−0·1	16·069	·33	−0·06	3	8·61	45.10174
7730	8·2	33 7·73	0·00	4·0570	·053	−0·009	50 56 29·7	0·0	16·069	·35	−0·07	5	9·66	51.11705
7731	6·5*	21 33 22·72	−0·01	+3·8136	−0·038	−0·004	−42 53 49·2	−0·1	+16·082	+0·32	−0·02	5	7·14	43. 9490
7732	6·5*	33 31·00	−0·02	3·8311	·039	−0·007	43 35 1·0	−0·1	16·090	·33	−0·02	5	7·47	43. 9492
7733	9·0*	33 47·66	−0·05	3·7628	·035	−0·022	40 56 44·2	0·0	16·106	·32	+0·01	5	7·68	41. 9671
7734	8·7	33 54·06	0·00	3·8638	·041	−0·003	44 51 24·4	0·0	16·110	·33	+0·01	3	8·57	44.10070
7735	8·0	34 5·58	0·00	3·9917	·049	+0·007	49 10 3·5	0·0	16·120	·34	−0·05	3	9·70	49.11466
7736	9·3	21 34 8·12	...	+3·9271	−0·045	...	−47 5 53·0	...	+16·122	+0·33	...	3	8·50	47. 9730
7737	7·0*	34 13·32	−0·01	3·7781	·036	−0·005	41 38 12·2	−0·1	16·126	·32	−0·02	4:5	7·21:7·29	41. 9674
7738	9·8	34 16·20	...	3·8883	·043	...	45 47 28·3	...	16·129	·33	...	3	8·72	45.10179
7739	8·7	34 16·92	−0·01	3·9126	·044	−0·007	46 38 9·8	−0·1	16·129	·33	−0·05	3	8·57	46.10270
7740	9·8	34 24·81	...	3·9545	·047	...	48 2 48·4	...	16·136	·34	...	3	9·71	48.10619
7741	9·3	21 34 25·41	0·00	+3·7434	−0·034	0·000	−40 14 28·6	−0·2	+16·137	+0·32	−0·10	5	7·52	40. 9583
7742	8·9	34 57·07	...	3·9684	·048	...	48 34 54·8	...	16·164	·34	...	3	9·71	48.10624
7743	9·3	35 16·44	...	3·7852	·036	...	42 5 13·3	...	16·181	·32	...	4:5	7·45:7·48	42. 9312
7744	9·0	35 19·25	0·00	3·8952	·043	−0·001	46 12 45·8	0·0	16·183	·33	0·00	3	8·39	46.10273
7745	9·0	35 32·27	−0·01	3·7603	·035	−0·004	41 8 6·6	−0·3	16·194	·32	−0·13	5	7·49	41. 9680
7746	7·5	21 35 40·65	0·00	+4·0287	−0·052	+0·005	−50 32 54·4	0·0	+16·202	+0·34	0·00	3	9·60	50.11588
7747	9·0*	36 4·12	...	4·0577	·055	...	51 26 50·9	...	16·222	·34	...	3	9·71	51.11717
7748	9·1	36 6·65	...	3·9426	·047	...	47 56 57·1	...	16·224	·33	...	3	8·58	48.10626
7749	8·9	36 10·38	−0·01	3·8481	·040	−0·004	44 40 20·2	−0·1	16·227	·32	−0·04	3	8·48	44.10073
7750	9·5	36 24·05	...	3·8673	·042	...	45 24 46·2	...	16·239	·32	...	3	8·61	45.10185
7751	9·5	21 36 31·52	...	+3·8085	−0·038	...	−43 14 8·4	...	+16·245	+0·32	...	5	7·69	43. 9502
7752	7·0*	36 39·42	+0·05	3·8267	·039	+0·017	43 57 0·8	−0·2	16·252	·32	−0·08	4:5	6·97:7·10	44.10075
7753	9·6	36 44·63	...	3·7850	·037	...	42 20 31·5	...	16·256	·32	...	5	7·68	42. 9320
7754	8·3	36 56·39	...	3·9809	·049	...	49 18 40·3	...	16·266	·33	...	3	9·71	49.11478
7755	9·2	37 16·35	...	3·7681	·036	...	41 44 43·6	...	16·283	·31	...	4:5	7·70:7·68	41. 9687
7756	9·2	21 37 28·72	−0·01	+3·9093	−0·045	−0·006	−47 4 16·4	0·0	+16·294	+0·32	−0·03	3	8·42	47. 9742
7757	8·9	37 50·62	0·00	3·9586	·048	+0·001	48 45 55·2	0·0	16·312	·33	0·00	3	9·71	48.10636
7758	8·0*	38 28·27	−0·01	3·7836	·037	−0·002	42 35 17·3	−0·2	16·344	·31	−0·05	5	6·77	42. 9324
7759	8·6	38 32·51	0·00	4·0242	·053	−0·011	50 54 11·4	0·0	16·348	·33	−0·10	3	9·72	51.11724
7760	8·3*	38 35·03	−0·02	3·7871	·037	−0·008	42 44 35·9	−0·1	16·350	·31	−0·02	4:5	7·42:7·46	42. 9325

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7761	7·0	21 38 41·27	0·00	+3·9920	−0·051	+0·007	−49 57 32·6	0·0	+16·355	+0·33	+0·04	5	9·79	50.11597
7762	9·1	38 47·74	...	3·9191	·046	...	47 38 1·1	...	16·361	·32	...	3	8·42	47. 9748
7763	8·9	38 50·41	−0·01	3·8978	·045	−0·007	46 54 49·9	0·0	16·363	·32	−0·01	3	8·63	47. 9749
7764	9·7	39 3·09	...	3·8715	·043	...	46 5 23·2	...	16·374	·32	...	3	8·70	46.10282
7765	9·6	39 6·25	...	3·9799	·050	...	49 39 16·6	...	16·377	·33	...	3	9·73	49.11487
7766	8·5	21 39 18·54	0·00	+3·8315	−0·041	+0·001	−44 35 57·2	0·0	+16·387	+0·31	−0·03	3	8·72	44.10092
7767	9·5	39 25·24	...	3·7221	·034	...	40 11 26·0	...	16·392	·31	...	5	7·49	40. 9592
7768	9·3	39 34·10	0·00	4·0396	·055	−0·007	51 31 41·6	0·0	16·400	·33	−0·03	3	9·71	51.11730
7769	8·5*	39 35·73	−0·01	3·7566	·036	−0·002	41 41 19·7	−0·1	16·401	·31	−0·02	5	7·29	41. 9697
7770	8·0	39 44·75	−0·01	3·9209	·046	−0·004	47 51 47·8	0·0	16·409	·32	0·00	3	8·49	47. 9753
7771	8·9	21 39 45·84	−0·01	+3·8567	−0·042	−0·010	−45 36 53·7	0·0	+16·410	+0·32	−0·01	3	8·58	45.10198
7772	10·0	40 6·68	...	3·7354	·035	...	40 53 14·9	...	16·427	·31	...	5	7·71	41. 9698
7773	8·5	40 8·52	−0·02	3·7967	·039	−0·008	43 23 52·3	0·0	16·428	·31	+0·01	5	7·35	43. 9520
7774	9·2	40 22·92	...	3·8771	·044	...	46 27 46·1	...	16·441	·32	...	3	8·72	46.10287
7775	9·4	40 43·75	0·00	3·8881	·045	−0·001	46 54 43·3	+0·1	16·458	·32	+0·07	3	8·56	47. 9755
7776	9·5*	21 40 49·45	−0·01	+3·7189	−0·034	−0·003	−40 17 31·3	0·0	+16·463	+0·30	0·00	5	6·95	40. 9595
7777	9·4	40 54·90	...	3·9990	·052	...	50 33 50·6	...	16·467	·33	...	3	9·70	50.11604
7778	9·6	40 56·62	...	3·7451	·036	...	41 26 18·7	...	16·469	·30	..	5	7·65	41. 9701
7779	9·3	41 5·49	...	4·0152	·054	...	51 4 49·6	...	16·476	·33	...	3	9·72	51.11735
7780	8·7	41 19·91	0·00	3·9800	·051	−0·004	50 3 6·9	0·0	16·488	·32	+0·17	3	9·72	50.11607
7781	9·5	21 41 24·66	...	+3·8206	−0·040	...	−44 33 41·3	...	+16·492	+0·31	...	3	8·59	44.10097
7782	8·0	41 32·47	0·00	3·8437	·042	−0·001	45 27 23·0	−0·1	16·498	·31	−0·06	3	8·68	45.10205
7783	5·8*	41 45·54	+0·02	3·9072	·046	+0·012	47 45 30·2	−0·5	16·509	·32	−0·32	3	8·50	47. 9758
7784	8·8*	41 48·25	+0·03	3·7243	·035	+0·010	40 42 32·1	−1·2	16·511	·30	−0·38	6	6·90	40. 9598
7785	7·0*	42 5·08	0·00	3·9196	·047	−0·004	48 14 20·9	0·0	16·525	·32	−0·01	3	9·70	48.10649
7786	7·7	21 42 17·20	0·00	+4·0335	−0·056	+0·005	−51 49 43·1	0·0	+16·535	+0·33	−0·07	3	9·72	51.11737
7787	9·7	42 29·22	...	3·9861	·052	...	50 26 51·1	...	16·546	·32	...	3	9·74	50.11612
7788	9·6	42 44·76	...	3·7422	·036	...	41 38 31·6	...	16·558	·30	...	5	7·29	41. 9704
7789	8·3	42 53·70	0·00	3·9561	·050	+0·007	49 34 57·9	0·0	16·565	·32	+0·01	3	9·72	49.11503
7790	9·0	42 58·13	−0·03	3·7516	·037	−0·011	42 5 7·7	−0·1	16·569	·30	−0·02	5	6·96	42. 9333
7791	7·8	21 43 19·36	0·00	+3·8794	−0·045	0·000	−47 4 30·5	−0·1	+16·586	+0·31	−0·06	3	8·42	47. 9766
7792	9·8	43 35·23	...	3·9292	·049	...	48 49 40·5	...	16·599	·31	...	3	9·70	48.10656
7793	9·1	43 35·57	...	3·8063	·040	...	44 24 42·7	...	16·600	·31	...	3	8·56	44.10113
7794	8·1	43 48·53	...	3·7738	·038	...	43 9 7·3	...	16·610	·30	...	5	7·13	43. 9531
7795	8·0*	43 50·08	−0·02	3·7922	·039	−0·005	43 53 45·2	−0·2	16·612	·30	−0·07	5	6·73	44.10114
7796	9·0	21 44 18·97	...	+3·8252	−0·042	...	−45 16 17·6	...	+16·635	+0·30	...	3	8·42	45.10219
7797	8·8	44 19·95	−0·01	3·8510	·043	−0·005	46 14 20·4	0·0	16·636	·31	−0·01	3	8·68	46.10301
7798	9·0†	44 46·28	...	3·7263	·035	...	41 19 52·1	...	16·657	·29	...	5	6·97	41. 9710
7799	8·9†	44 59·52	0·00	3·9908	·054	−0·002	51 2 53·4	0·0	16·668	·32	+0·02	3	9·60	51.11744
7800	8·5	45 8·10	−0·01	3·7485	·037	−0·003	42 21 25·7	+0·1	16·675	·30	+0·02	5	7·29	42. 9338

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7801	8·5	21 45 9·61	0·00	+3·9044	−0·047	−0·002	−48 17 11·8	0·0	+16·676	+0·31	−0·03	3	9·70	48.10660
7802	9·3	45 20·00	−0·01	3·7054	·034	−0·004	40 30 44·2	−0·1	16·685	·29	−0·04	5	7·68	40. 9610
7803	8·0*	45 56·53	0·00	3·9534	·051	−0·005	50 3 20·1	0·0	16·714	·31	−0·04	3	9·60	50.11621
7804	9·7	46 7·33	...	3·8810	·046	...	47 39 15·2	...	16·723	·31	...	3	8·41	47. 9778
7805	7·0*	46 9·82	−0·03	3·7330	·036	−0·009	41 52 51·1	−0·1	16·725	·29	−0·02	8	7·13	41. 9717
7806	9·0*	21 46 24·37	−0·02	+3·7391	−0·037	−0·008	−42 11 8·6	−0·1	+16·736	+0·29	−0·03	5	7·49	42. 9344
7807	8·5	46 26·39	+0·01	3·7657	·038	+0·002	43 18 49·9	−0·1	16·738	·29	−0·04	5	7·06	43. 9541
7808	8·5	46 27·45	0·00	3·8284	·043	0·000	45 47 45·2	−0·1	16·739	·30	−0·06	3	8·56	45.10225
7809	9·4	46 32·48	...	3·8465	·044	...	46 29 18·7	...	16·743	·30	...	3	8·69	46.10309
7810	9·4	46 35·60	0·00	3·8014	·041	+0·003	44 46 52·4	0·0	16·745	·30	−0·03	3	8·69	44.10120
7811	9·0	21 46 45·56	−0·01	+3·7181	−0·036	−0·003	−41 20 27·6	−0·1	+16·753	+0·29	−0·05	5	7·32	41. 9721
7812	9·5	46 49·33	...	3·9723	·053	...	50 48 39·4	.:	16·756	·31	...	3	9·69	50.11622
7813	8·5	46 50·59	−0·01	3·7482	·037	−0·005	42 39 38·3	−0·2	16·757	·29	−0·07	5	7·71	42. 9345
7814	7·8	46 54·94	−0 01	3·8669	·045	−0·010	47 18 8·7	0·0	16·761	·30	−0·03	3	8·53	47. 9782
7815	8·7	47 11·76	0·00	3·9335	·050	+0·010	49 38 33·3	0·0	16·774	·31	−0·05	3	9·62	49.11515
7816	8·5*	21 47 29·30	−0·02	+3·7705	−0·039	−0·008	−43 42 22·6	0·0	+16·788	+0·29	0·00	5	7·28	43. 9545
7817	9·8	47 34·49	...	3·9186	·049	...	49 13 25·3	...	16·792	·30	...	3	9·72	49.11516
7818	9·1	47 55·81	0·00	3·7823	·040	+0·002	44 16 22·4	0·0	16·809	·29	−0·02	3	8·41	44.10125
7819	8·9	48 9·43	−0·01	3·6915	·034	−0·005	40 24 49·1	+0·1	16·820	·29	+0·03	5	7·15	40. 9617
7820	8 0	48 11·90	0·00	3·7209	·036	0·000	41 44 12·5	−0·1	16·822	·29	−0·04	5	7·52	41. 9724
7821	8·9	21 48 16·59	0·00	+3·8059	−0·042	−0·001	−45 16 50·8	0·0	+16·826	+0·29	+0·02	3	8·56	45.10232
7822	8·3*	49 20·53	−0·01	3·7254	·037	−0·003	42 9 51·0	−0·1	16·876	·29	−0·04	5	7·05	42. 9352
7823	9·1	49 20·87	0·00	3·9157	·050	+0·001	49 27 47·0	0·0	16·877	·30	−0·02	3	9·59	49.11517
7824	8·0	49 30·11	−0·02	3·8112	·043	−0·011	45 43 13·1	0·0	16·884	·29	−0·01	3	8·41	45.10238
7825	7·0	49 33·08	−0·04	3·8556	·046	−0·025	47 23 58·2	−0·1	16·886	·30	−0·07	3	8·56	47. 9791
7826	7·7	21 49 49·31	0·00	+3·9888	−0·056	+0·004	−51 53 6·7	0·0	+16·903	+0·31	−0·05	6	9·71	52.11956
7827	9·1	49 49·83	−0·02	3·7437	·038	−0·007	43 2 21·9	0·0	16·899	·29	−0·02	5	7·68	43. 9552
7828	9·9	49 54·86	...	3·8998	·049	...	49 1 54·3	...	16·899	·30	...	3	9 74	49.11518
7829	9·5	50 20·87	−0·01	3·7062	·036	−0·002	41 30 22·5	−0·1	16·924	·28	−0·05	5	7·29	41. 9729
7830	7·9	50 25·30	0·00	3·8389	·045	+0·003	46 57 10·9	−0·1	16·927	·29	−0·06	6	8·51	47. 9793
7831	8·8	21 50 27·60	...	+3·8817	−0·048	...	−48 30 43·7	...	+16·929	+0·30	...	3	9·59	48.10671
7832	8·3	50 37·41	0·00	3·9295	·051	+0·002	50 9 57·3	−0·1	16·937	·30	−0·23	3	9·70	50.11628
7833	10·4	50 38·42	...	3·9531	·053	...	50 55 53·0	...	16·937	·30	...	3	9·73	51.11756
7834	9·0	50 39·32	0·00	3·7819	·041	−0·002	44 47 14·3	0·0	16·938	·29	+0·02	3	8·64	44.10138
7835	9·5	50 58·02	...	3·8082	·043	...	45 53 31·4	...	16·953	·29	...	3	8·70	46.10321
7836	8·7	21 51 9·48	...	+3·8192	−0·044	...	−46 21 31·8	...	+16·962	+0·29	...	3	8·70	46.10324
7837	9·0	51 27·05	0·00	3·8625	·047	+0·002	48 1 20·7	0·0	16·975	·29	0·00	3	9·58	48.10673
7838	8·5*	51 46·97	−0·02	3·7410	·039	−0·006	43 19 5·6	−0·3	16·991	·28	−0·08	5	6·77	43. 9558
7839	9·3	52 5·94	...	3·6978	·036	...	41 27 48·3	...	17·005	·28	...	5	7·68	41. 9731
7840	8·0	52 7·04	0·00	3·6796	·035	−0·001	40 38 10·8	−0·1	17·006	·28	−0·04	5	7·15	40 9626

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7841	8·7	21 52 12·29	−0·01	+3·7853	−0·042	−0·005	−45 13 56·4	0·0	+17·010	+0·29	+0·03	3	8·41	45.10244
7842	8·1	52 18·65	0·00	3·8097	·043	−0·003	46 13 13·9	0·0	17·015	·29	0·00	3	8·56	46.10327
7843	6·5*	52 19·95	−0·01	3·7676	·040	−0·008	44 32 16·7	−0·1	17·016	·28	−0·09	3	8·68	44.10145
7844	6·8*	52 20·78	−0·02	3·7127	·037	−0·007	42 11 50·9	−0·1	17·017	·28	−0·03	5	7·68	42. 9361
7845	7·8	53 0·43	+0·01	3·8217	·045	+0·009	46 49 13·9	0·0	17·047	·29	−0·02	3	8·60	46.10328
7846	8·5	21 53 8·86	−0·01	+3·7166	−0·037	−0·003	−42 31 12·3	0·0	+17·054	+0·28	0·00	5	6·96	42. 9366
7847	9·0	53 18·72	0·00	3·9303	·053	+0·005	50 43 20·3	0·0	17·061	·29	+0·02	3	9·58	50.11634
7848	8·0	53 37·58	+0·01	3·7474	·039	+0·004	43 57 21·0	−0·3	17·076	·28	−0·09	5	7·16	44.10151
7849	9·3	53 46·35	...	3·6638	·034	...	40 12 52·7	...	17·082	·27	...	5	7·69	40. 9634
7850	9·3	53 50·22	...	3·8857	·050	...	49 19 12·0	...	17·085	·29	...	3	9·68	49.11526
7851	8·0	21 53 51·57	+0·02	+3·6804	−0·035	+0·006	−41 1 4·4	−0·1	+17·086	+0·27	−0·05	11	7·37	41. 9733
7852	9·2	54 1·17	...	3·8325	·046	...	47 26 0·2	...	17·094	·28	...	3	8·41	47. 9808
7853	8·7	54 2·49	0·00	3·8552	·047	+0·001	48 16 35·3	0·0	17·095	·29	+0·05	3	9·71	48.10678
7854	9·4	54 5·69	...	3·8983	·051	...	49 48 35·8	...	17·097	·29	...	3	9·73	49.11527
7855	9·0	54 16·04	0·00	3·9465	·055	−0·007	51 26 3·3	−0·1	17·105	·29	−0·14	3	9·58	51.11762
7856	7·2*	21 54 21·50	−0·01	+3·7201	−0·038	−0·003	−42 55 50·6	−0·1	+17·109	+0·28	−0·04	5	7·31	43. 9565
7857	7·8	54 43·47	−0·01	3·8421	·047	−0·007	47 56 3·4	−0·1	17·126	·28	−0·09	6	8·67	48 10680
7858	9·1	54 57·28	...	3·8615	·048	...	48 41 27·1	...	17·136	·28	...	3	9·68	48.10681
7859	9·0	55 2·30	−0·03	3·6917	·036	−0·013	41 47 11·7	−0·2	17·140	·27	−0·06	5	7·31	41. 9735
7860	9·3	55 3·88	0·00	3·8017	·044	−0·001	46 27 58·6	−0·1	17·141	·28	−0·06	3	8·41	46.10336
7861	9·3	21 55 6·77	...	+3·7866	−0·043	...	−45 52 46·8	...	+17·143	+0·28	...	3	8·63	46.10337
7862	9·1	55 12·61	−0·01	3·7586	·041	−0·005	44 45 5·8	0·0	17·148	·28	0·00	3	8·71	44.10157
7863	9·2	55 34·34	−0·01	3·8093	·045	−0·007	46 51 55·8	−0·1	17·164	·28	−0·08	3	8·61	46.10339
7864	9·3	56 0·96	−0·02	3·6631	·035	−0·008	40 38 7·9	0·0	17·184	·27	+0·02	5	7·68	40. 9640
7865	7·8	56 4·41	0·00	3·9455	·055	+0·002	51 45 47·7	0·0	17·187	·29	−0·02	3	9·58	51.11764
7866	8·0	21 56 19·24	−0·02	+3·7030	−0·037	−0·007	−42 33 56·0	−0·1	+17·198	+0·27	−0·06	5	7·69	42. 9374
7867	9·3	56 26·29	−0·01	3·7554	·041	−0·004	44 52 20·7	0·0	17·203	·27	0·00	3	8·41	44.10158
7868	8·5	56 38·02	0·00	3·9124	·053	−0·003	50 47 54·4	0·0	17·212	·29	+0·02	3	9·68	50.11643
7869	8·0	56 44·18	−0·02	3·6498	·034	−0·007	40 8 17·0	0·0	17·217	·27	−0·01	9	7·19	40. 9644
7870	8·3	56 50·58	−0·01	3·8208	·046	−0·005	47 34 35·5	0·0	17·221	·28	+0·02	3	8·56	47. 9817
7871	8·8	21 56 52·15	0·00	+3·8523	−0·048	0·000	−48 45 4·5	0·0	+17·223	+0·28	−0·10	3	9·61	48.10691
7872	8·5	56 56·42	+0·01	3·7260	·039	+0·003	43 42 50·2	−0·1	17·226	·27	−0·06	5	7·69	43. 9574
7873	7·8	57 16·74	−0·01	3·7936	·044	−0·004	46 36 33·3	−0·1	17·241	·27	−0·05	3	8·67	46.10348
7874	8·9	57 30·80	−0·01	3·7420	·040	−0·004	44 31 59·6	0·0	17·251	·27	+0·02	3	8·41	44.10161
7875	8·5	58 9·65	+0·01	3·7086	·038	+0·003	43 12 27·6	−0·2	17·280	·27	−0·10	5	7·68	43. 9578
7876	9·5	21 58 15·13	...	+3·7027	−0·038	...	−42 57 10·5	...	+17·284	+0·27	...	5	7·14	43. 9579
7877	8·2	58 32·99	0·00	3·7777	·043	−0·001	46 14 25·7	−0·1	17·297	·27	−0·07	3	8·41	46.10355
7878	9·8	58 52·23	...	3·9226	·055	...	51 36 2·6	...	17·311	·28	...	3	9·60	51.11774
7879	8·5	58 57·47	0·00	3·6655	·036	−0·001	41 22 4·8	−0·1	17·315	·26	−0·05	5	7·14	41. 9741
7880	8·0	59 3·25	0·00	3·8521	·049	+0·005	49 12 9·4	0·0	17·320	·28	−0·03	3	9·68	49.11537

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900 0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7881	9·5	21 59 17·70	...	+3·6810	−0·037	...	−42 10 55·3	...	+17·330	+0·26	...	5	7·52	42. 9379
7882	8·3	59 41·98	0·00	3·8753	·051	+0·005	50 10 16·6	0·0	17·348	·28	0·00	3	9·63	50.11650
7883	8·8	59 43·56	0·00	3·8270	·048	+0·012	48 25 18·6	0·0	17·349	·27	+0·01	3	9·74	48.10700
7884	8·3	59 50·88	0·00	3·7418	·041	−0·002	45 1 24·0	0·0	17·354	·27	−0·02	3	8·43	45.10261
7885	7·3	59 52·61	0 00	3·7284	·040	+0·003	44 27 4·2	0·0	17·356	·27	−0·03	3	8·65	44.10169
7886	8·9	22 0 0·24	...	+3·7916	−0·045	...	−47 6 31·9	...	+17·361	+0·27	...	3	8·69	47. 9828
7887	8·5	0 0·89	0·00	3·8401	·049	0·000	48 58 12·0	0·0	17·362	·27	+0·03	5	9·69	49.11539
7888	9·0	0 1·81	−0·03	3·6475	·035	−0·009	40 43 42·1	0·0	17·362	·26	+0·01	5	7·16	40. 9650
7889	8 5*	0 15·93	−0·01	3·7044	·039	−0·003	43 27 40·6	+0·1	17·373	·26	+0·04	5	7·51	43. 9582
7890	8·5	0 28·73	0·00	3·5787	·043	0·000	45 52 17·7	−0·4	17·382	·27	−0·27	3	8·60	45.10262
7891	9·5	22 0 54·53	...	+3·6316	−0·034	...	−40 57 18·3	...	+17·401	+0·25	...	5	7·72	40. 9653
7892	7·5	0 56·15	0·00	3·6618	·036	+0·002	41 37 11·6	−0·1	17·402	·26	−0·04	5	7·52	41. 9746
7893	8·5*	1 0·79	−0·01	3·6905	·038	−0·004	42 59 20·0	−0·1	17·405	·26	−0·02	5	7·16	43. 9583
7894	9·3	1 40·22	...	3·8023	·046	...	47 53 34·0	...	17·434	·27	...	3	8·51	48.10707
7895	8·5	1 40·62	−0·01	3·7683	·044	−0·004	46 31 59·0	−0·1	17·434	·26	−0·06	3	8·49	46.10360
7896	9·7	22 1 46·81	...	+3·8916	−0·054	...	−51 10 46·6	...	+17·438	+0·27	...	3	9·70	51.11779
7897	8·0	1 52·75	0·00	3·8740	·052	−0·005	50 35 39·2	0·0	17·443	·27	+0·01	3	9·59	50.11656
7898	8·5	2 14·57	+0·01	3·7340	·041	+0·005	45 12 49·3	0·0	17·458	·26	−0·03	3	8·69	45.10264
7899	8·9	2 15·02	0·00	3·7188	·040	+0·001	44 32 47·3	−0·1	17·459	·26	−0·05	3	8·72	44.10177
7900	7·0*	2 31·62	−0·02	3·6951	·039	−0·005	43 31 43·8	−0·2	17·471	·26	−0·07	5	6·76	43. 9585
7901	9·7	22 3 10·33	...	+3·8459	−0·051	...	−49 52 2·0	...	+17·498	+0·27	...	3	9·69	49.11550
7902	8·0*	3 29·61	+0·03	3·6523	·036	+0·008	41 42 46·3	−0·3	17·512	·25	−0·08	5	6·77	41. 9749
7903	7·0*	3 38·63	0·00	3·8092	·048	+0·010	48 35 46·4	0·0	17·518	·26	−0·05	3	9·58	48.10715
7904	9·2	3 46·17	0·00	3·7533	·043	0·000	46 22 17·1	0·0	17·524	·26	−0·02	3	8·41	46.10362
7905	9·4	3 53·81	...	3·6617	·037	...	42 15 58·5	...	17·529	·25	...	5	7·51	42. 9391
7906	9·9	22 4 17·07	...	+3·8950	−0·055	...	−51 50 20·7	...	+17·545	+0·27	..	3	9·70	51.11784
7907	9·1	4 28·50	0·00	3·8250	·049	−0·004	49 22 52·7	0·0	17 553	·26	−0 02	3	9·61	49.11554
7908	9·3	4 44·81	...	3·7859	·046	...	47 55 46·9	...	17·565	·26	...	3	8·41	48.10719
7909	8·5*	4 55·67	−0·02	3·6924	·039	−0·005	43 56 58·7	−0·1	17·573	·25	−0·04	5	6·78	44.10182
7910	9·3	4 57·66	...	3·6639	·037	...	42 36 46·8	...	17·574	·25	...	5	7·71	42. 9393
7911	8·0	22 5 2·25	−0·02	+3·6123	−0·033	−0·009	−40 2 12·1	+0·7	+17·577	+0·25	+0·28	5	7·51	40. 9661
7912	9·5	5 16·29	...	3·8741	·054	...	51 20 21·3	...	17·587	·26	...	3	9·67	51.11786
7913	6·5*	5 18·72	0·00	3·6989	·040	+0·001	44 20 6·3	0·0	17·589	·25	+0·03	3	8·66	44.10183
7914	8·2	5 29·97	+0·01	3·7179	·041	+0·010	45 14 18·4	−0·1	17·596	·25	−0·09	3	8·71	45.10268
7915	9·0	5 44·71	0·00	3·7986	·048	+0·005	48 39 35·8	0·0	17·607	·26	0·00	3	9·60	48.10721
7916	9·4	22 5 45·41	+0·01	+3·7270	−0·042	+0·005	−45 41 49·1	+0·1	+17·607	+0·25	+0·08	3	8·51	45.10269
7917	9·0	5 53·19	0·00	3·8385	·051	+0·008	50 12 9·8	0·0	17·613	·26	+0·01	3	9·72	50.11663
7918	9·5	6 12·00	...	3·8521	·052	...	50 46 5·4	...	17·626	·26	...	3	9·72	50 11664
7919	7·0*	6 29·51	−0·02	3·6186	·034	−0·005	40 41 41·6	−0·2	17·638	·24	−0·07	5	6·97	40. 9662
7920*	8·0	6 41·28	0·00	3·8161	·050	+0·003	49 32 50·7	0·0	17·646	·26	+0·02	3	9·58	49.11560

7920. $8^m{\cdot}2$, $10^m{\cdot}4$ 4″·9 353° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7921	8·8	22 6 59·94	0·00	+3·6467	−0·036	+0·001	−42 14 17·0	0·0	+17·659	+0·24	−0·02	5	7·52	42. 9398
7922	9·8	7 1·42	...	3·7680	·046	...	47 43 33·7	...	17·660	·25	...	3	8·57	47. 9835
7923	8·3	7 12·14	0·00	3·6695	·038	−0·001	43 23 46·8	−0·2	17·667	·24	−0·10	5	7·52	43. 9591
7924	8·7	7 33·29	−0·01	3·7533	·045	−0·009	47 14 15·4	0·0	17·682	·25	0·00	3	8·50	47. 9836
7925	8·6	7 35·85	+0·02	3·6319	·036	+0·008	41 37 47·8	0·0	17·684	·24	+0·01	5	7·71	41. 9757
7926	7·5	22 7 41·43	0·00	+3·7306	−0·043	0·000	−46 18 3·4	−0·1	+17·688	+0·25	−0·04	3	8·70	46.10369
7927	9·2	7 42·03	...	3·7200	·042	...	45 50 25·9	...	17·688	·25	...	3	8·71	45.10272
7928	8·5	8 3·86	−0·01	3·7039	·041	−0·009	45 12 22·7	−0·2	17·703	·25	−0·14	3	8·57	45.10274
7929	8·5*	8 21·12	+0·02	3·6017	·034	+0·005	40 14 32·4	−0·3	17·715	·24	−0·10	5	6·78	40. 9666
7930	6·5	8 31·95	+0·12	3·6320	·036	+0·048	41 51 17·4	−2·0	17·722	·24	−0·80	5	7·52	41. 9759
7931	9·5	22 8 49·71	0·00	+3·7402	−0·044	+0·003	−46 59 6·7	+0·1	+17·734	+0·25	+0·04	3	8·53	47. 9840
7932	9·5	8 50·21	...	3·8523	·054	...	51 22 38·3	...	17·735	·25	...	3	9·69	51.11790
7933	8·3	8 57·44	0·00	3·7933	·049	+0·005	49 11 25·6	0·0	17·740	·25	+0·01	3	9·59	49.11569
7934	7·9	9 4·16	...	3·6877	·040	...	44 41 47·7	...	17·744	·24	...	3	8·59	44.10191
7935	9·3	9 10·38	...	3·8142	·050	...	50 2 52·1	...	17·748	·25	...	3	9·72	50.11669
7936	7·3	22 9 23·86	+0·01	+3·6741	−0·039	+0·006	−44 7 53·0	0·0	+17·757	+0·24	−0·02	3	8·70	44.10193
7937	6·5*	9 27·81	−0·01	3·6911	·041	−0·004	44 56 53·9	−0·1	17·760	·24	−0·04	6	8·70	45.10277
7938	9·0	9 31·87	...	3·6598	·038	...	43 28 24·0	...	17·763	·24	...	5	7·52	43. 9593
7939	8·8	9 36·86	0·00	3·8590	·055	+0·002	51 48 2·8	0·0	17·766	·25	−0·07	3	9·71	51.11792
7940	8·8	9 48·39	−0·01	3·6444	·037	−0·005	42 46 46·0	+0·1	17·774	·24	+0·03	5	7·53	42. 9405
7941	8·0	22 9 53·14	...	+3·6523	−0·038	...	−43 11 35·9	...	+17·777	+0·24	...	5	7·53	43. 9594
7942	9·5	9 55·73	...	3·7704	·047	...	48 30 25·1	...	17·779	·25	...	3	9·58	48.10730
7943	9·5	9 57·12	0·00	3·6056	·034	0·000	40 49 8·6	0·0	17·780	·24	0·00	5	7·75	40. 9670
7944	9·5	10 5·20	...	3·7008	·042	...	45 32 30·0	...	17·785	·24	...	3	8·72	45.10278
7945	9·3	10 6·68	0·00	3·8042	·050	−0·004	49 53 32·5	0·0	17·786	·25	+0·01	3	9·71	50.11671
7946	9·5	22 10 29·73	...	+3·6193	−0·036	...	−41 40 14·8	...	+17·802	+0·24	...	5	7·35	41. 9763
7947	9·0	10 42·67	−0·01	3·7472	·046	−0·007	47 43 55·7	0·0	17·810	·24	+0·02	3	8·41	47. 9844
7948	8·5	11 21·94	+0·01	3·7777	·049	+0·022	49 8 47·4	0·0	17·837	·24	−0·11	3	9·58	49.11578
7949	8·0	11 28·46	0·00	3·8203	·052	−0·006	50 49 26·6	0·0	17·841	·25	0·00	3	9·69	50.11679
7950	8·6	11 55·36	−0·01	3·7628	·048	−0·018	48 40 28·4	0·0	17·859	·24	−0·01	3	9·72	48.10733
7951	9·0	22 11 55·85	0·00	+3·7184	−0·044	+0·003	−46 47 6·3	0·0	+17·859	+0·24	+0·02	3	8·41	46.10381
7952	9·7	12 16·47	...	3·7834	·049	...	49 35 27·3	...	17·873	·24	...	3	9·73	49.11581
7953	8·8	12 19·99	+0·01	3·8038	·051	+0·019	50 24 15·7	−0·1	17·875	·24	−0·13	3	9·58	50.11682
7954	8·0	12 45·84	0·00	3·5791	·033	−0·001	40 3 8·3	−0·1	17·892	·23	−0·04	10	7·64	40. 9674
7955	9·3	12 52·53	...	3·7042	·043	...	46 22 58·6	...	17·897	·24	...	3	8·58	46.10386
7956	8·3*	22 12 56·07	0·00	+3·5852	−0·034	−0·001	−40 25 33·1	−0·2	+17·899	+0·23	−0·07	5	7·14	40. 9675
7957	9·5	13 1·29	...	3·6873	·042	...	45 38 1·6	...	17·902	·23	...	3	8·70	45.10282
7958	9·5	13 9·27	−0·03	3·6343	·038	−0·014	43 5 14·7	−0·1	17·908	·23	−0·04	5	7·71	43. 9598
7959	8·2	13 11·23	...	3·7205	·045	...	47 11 11·8	...	17·909	·24	...	3	8·51	47. 9847
7960	8·8	13 37·46	0·00	3·7484	·047	+0·010	48 29 38·3	0·0	17·926	·24	+0·03	3	9·58	48.10737

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
7961	8·9	22 13 46·64	+0·02	+3·6133	−0·036	+0·008	−42 9 13·9	+0·1	+17·932	+0·23	+0·05	5	7·71	42. 9417
7962	9·1	13 59·71	0·00	3·8052	·052	+0·011	50 52 0·6	0·0	17·940	·24	−0·05	3	9·69	50.11686
7963	9·0	14 4·90	0·00	3·6655	·040	−0·001	44 51 55·2	0·0	17·944	·23	0·00	3	8·59	44.10203
7964	9·9	14 4·90	...	3·7238	·045	...	47 33 15·4	...	17·944	·23	...	3	8·72	47. 9848
7965	7·5	14 20·26	0·00	3·6466	·039	−0·002	44 0 11·4	−0·1	17·954	·23	−0·06	5	8·64	44.10204
7966	9·6	22 14 39·40	...	+3·7279	−0·046	...	−47 52 21·9	...	+17·966	+0·23	...	3	8·73	48.10741
7967	10·0	14 43·76	..	3·6161	·037	...	42 33 7·8	...	17·969	·23	...	5	7·16	42. 9420
7968	9·0	14 56·62	+0·03	3·6036	·036	+0·010	41 55 58·2	+0·2	17·977	·22	+0·09	5	7·50	42. 9422
7969	9·3	15 1·22	+0·01	3·7305	·046	+0·012	48 4 51·0	0·0	17·980	·23	−0·06	3	9·58	48.10743
7970	8·2	15 5·54	0·00	3·8176	·054	−0·005	51 36 17·5	0·0	17·983	·24	+0·02	3	9·69	51.11805
7971	9·5	22 15 8·88	...	+3·5917	−0·035	...	−41 20 27·4	...	+17·985	+0·22	...	5	7·72	41. 9776
7972	9·3	15 23·79	...	3·6957	·043	...	46 37 19·8	...	17·995	·23	...	3	8·58	46.10392
7973	9·3	15 59·74	0·00	3·6329	·038	−0·001	43 43 57·0	−0·1	18·018	·22	−0·04	5	7·15	43. 9603
7974	9·5	16 10·96	...	3·7716	·050	...	50 5 28·8	...	18·025	·23	...	3	9·68	50.11689
7975	8·9	16 16·58	0·00	3·8012	·053	+0·003	51 16 55·3	−0·6	18·029	·23	−1·58	3	9·60	51.11806
7976	8·7	22 16 18·20	+0·01	+3·5682	−0·033	+0·003	−40 19 3·4	−0·7	+18·030	+0·22	−0·28	5	7·50	40. 9682
7977	9·2	16 21·27	...	3·7521	·049	...	49 20 7·0	...	18·032	·23	...	3	9·72	49.11592
7978	9·2	16 22·37	...	3·6672	·041	...	45 31 39·2	..	18·032	·22	...	3	8·68	45.10286
7979	8·4	16 41·99	...	3·6511	·040	...	44 49 45·2	...	18·045	·22	...	3	8·51	44.10211
7980	7·7	16 54·36	...	3·6448	·040	...	44 33 58·7	...	18·053	·22	...	3	8·72	44.10212
7981*	6·0	22 16 59·46	+0·03	+3·6829	−0·043	+0·020	−46 25 54·3	−0·1	+18·056	+0·23	−0·07	3	8·73	46.10398
7982	8·0	17 4·68	0·00	3·6309	·039	−0·001	43 54 36·7	0·0	18·059	·22	−0·02	12:13	7·67	44.10213
7983	7·9	17 14·80	−0·01	3·6685	·042	−0·006	45 49 16·2	−0·1	18·066	·22	−0·04	3	8·72	45.10288
7984	7·0	17 17·16	−0·01	3·6972	·044	−0·008	47 10 26·5	0·0	18·067	·23	−0·01	3	8·68	47. 9853
7985	8·0	17 32·23	0·00	3·7845	·052	+0·001	50 56 51·6	0·0	18·076	·23	−0·03	3	9·58	51.11809
7986	9·8	22 18 9·67	...	+3·6116	−0·038	...	−43 11 5·9	...	+18·100	+0·22	...	5	7·13	43. 9607
7987	7·2	18 10·14	0·00	3·7417	·049	−0·003	49 21 55·8	0·0	18·100	·23	−0·04	3	9·69	49.11595
7988	7·0*	18 40·95	+0·01	3·5862	·036	+0·006	41 56 44·7	−0·1	18·120	·22	−0·04	12	7·66	42. 9433
7989	7·5	18 59·54	0·00	3·7994	·054	−0·009	51 54 11·2	0·0	18·131	·23	−0·08	3	9·70	52.12022
7990	9·5	19 4·07	−0·01	3·5951	·036	−0·002	42 32 6·2	0·0	18·134	·22	+0·01	5	7·50	42. 9436
7991	8·7	22 19 5·13	+0·01	+3·6404	−0·040	+0·005	−44 55 11·6	−0·1	+18·135	+0·22	−0·07	3	8·50	45.10293
7992	8·7	19 8·01	...	3·7064	·046	...	48 4 35·4	...	18·136	·22	...	5	9·64	48.10748
7993	8·0	19 32·71	0·00	3·7563	·051	+0·005	50 19 59·8	0·0	18·152	·22	−0·09	3	9·70	50.11693
7994	9·5	19 56·35	...	3·5712	·035	...	41 25 50·8	...	18·166	·21	..	5	7·13	41. 9783
7995	9·2	20 3·87	...	3·6942	·045	...	47 46 14·9	...	18·171	·22	...	3	8·52	47. 9861
7996	7·7	22 20 3·98	−0·01	+3·6469	−0·041	−0·005	−45 30 22·5	0·0	+18·171	+0·22	+0·01	3	8·68	45.10296
7997	8·5†	20 10·02	0·00	3·5562	·034	−0·001	40 37 40·0	+0·2	18·175	·21	+0·08	5	7·33	40. 9675
7998	9·9	20 17·52	...	3·6689	·043	...	46 38 44·7	...	18·179	·22	...	3	8·70	46.10405
7999	9·4	20 22·78	...	3·6309	·040	...	44 46 52·2	...	18·183	·22	...	3	8·73	44.10222
8000	9·8	20 35·75	...	3·7154	·047	...	48 52 4·2	...	18·191	·22	...	3	9·69	48.10752

7981. 6ᵐ·0, 12ᵐ·5 4″·6 207° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8001	8·0	22 20 45 06	...	+3·6557	−0·042	...	−46 7 37·2	...	+18·196	+0·22	...	3	8·68	46.10406
8002	9·8	21 2·62	−0·01	3·5940	·037	−0·002	43 0 29·9	−0·2	18·207	·21	−0·07	5	7·01	43. 9610
8003	8·0	21 3·04	+0·02	3·5725	·035	+0·006	41 48 24·5	0·0	18·207	·21	0·00	5	6·77	41. 9788
8004	9·5	21 3·54	+0·01	3·6807	·044	+0·006	47 24 41·4	0·0	18·208	·22	+0·02	3	8·52	47. 9865
8005	9·3	21 6·12	0·00	3·7524	·051	−0·004	50 34 51·4	0·0	18·209	·22	−0·04	3	9·71	50.11698
8006	7·5	22 21 10·06	+0·01	+3·7349	−0·049	+0·033	−49 51 56·7	−0·1	+18·212	+0·22	−0·35	3	9·59	49.11603
8007	9·3	21 22·62	0·00	3·7771	·053	−0·004	51 39 23·6	0·0	18·219	·22	−0·06	3	9·72	51.11819
8008	9·8	21 29·70	...	3·7010	·046	...	48 27 44·3	...	18·223	·22	...	3	9·71	48.10754
8009	9·4	21 45·14	...	3·6060	·038	...	43 51 3·2	...	18·233	·21	...	5	7·52	43. 9612
8010	9·6	22 6·34	...	3·6300	·040	...	45 12 12·6	...	18·246	·21	...	3	8·50	45.10299
8011	9·1	22 22 39·41	...	+3·7156	−0·048	...	−49 25 59·0	...	+18·266	+0·22	...	3	9·58	49.11607
8012	9·4†	22 45·54	...	3·5542	·034	...	41 12 38·1	...	18·269	·21	...	5	6·78	41. 9794
8013	9·8	23 15·43	...	3·7579	·053	...	51 23 3·9	...	18·287	·22	...	3	9·69	51.11821
8014	8·4	23 23·96	0·00	3·7023	·048	+0·016	49 2 22·7	0·0	18·292	·21	−0·09	3	9·71	49.11609
8015	8·1	23 33·18	0·00	3·7317	·050	+0·001	50 22 38·0	0·0	18·298	·22	−0·02	3	9·60	50.11705
8016	9·1†	22 23 44·85	...	+3·5867	−0·037	...	−43 21 3·8	...	+18·305	+0·21	...	5	6·82	43. 9618
8017	4·7*	23 47·95	−0·01	3·6032	·039	−0·006	44 15 38·7	0·0	18·306	·21	0·00	3	8·50	44.10228
8018	7·3	23 49·04	−0·01	3·6480	·043	−0·005	46 35 11·2	−0·1	18·307	·21	−0·04	3	8·68	46.10409
8019	9·4	23 49·76	−0·01	3·6357	·042	−0·005	45 58 21·8	+0·1	18·308	·21	+0·04	3	8·72	46.10410
8020	9·0	24 0·14	...	3·6708	·045	...	47 44 59·1	...	18·314	·21	...	3	8·73	47. 9867
8021	7·0*	22 24 19·73	−0·02	+3·5742	−0·037	−0·006	−42 48 10·8	+0·1	+18·325	+0·20	+0·03	5	6·78	42. 9445
8022	8·8	24 24·72	...	3·6837	·046	...	48 28 21·0	...	18·328	·21	...	3	9·70	48.10761
8023	8·0	24 44·22	0·00	3·6047	·039	−0·003	44 36 22·8	0·0	18·340	·20	+0·03	3	8·50	44.10230
8024	7·5	24 51·81	0·00	3·6886	·047	−0·001	48 49 39·3	0·0	18·344	·21	−0·03	3	9·72	48.10762
8025	7·2	24 52·84	−0·01	3·7131	·049	−0·018	49 56 25·8	−0·1	18·345	·21	−0·21	3	9·63	50.11707
8026	8·2	22 24 53·42	0·00	+3·7356	−0·051	0·000	−50 54 34·3	0·0	+18·345	+0·21	−0·01	5	9·70	51.11825
8027	9·0*	24 58·52	−0·01	3·5603	·036	−0·004	42 11 8·8	−0·1	18·348	·20	−0·03	5	6·82	42. 9448
8028	7·0	25 15·88	0·00	3·7460	·053	+0·003	51 27 1·9	0·0	18·358	·21	+0·02	3	9·72	51.11827
8029	9·3	25 18·57	...	3·6437	·043	...	46 47 52·7	..	18·360	·21	...	3	8·77	46.10463
8030	8·9	25 23·78	..	3·7023	·049	...	49 35 56·5	...	18·363	·21	...	3	9·71	49.11613
8031	8·0	22 25 30·02	−0·01	+3·5536	−0·035	−0·004	−41 56 44·3	0·0	+18·367	+0·20	−0·01	5	6·96	42. 9451
8032	7·1	25 45·20	0·00	3·6471	·044	−0·002	47 5 33·0	−0·1	18·376	·21	−0·04	3	8·59	47. 9876
8033	8·0	25 49·41	−0·01	3·5271	·033	−0·002	40 29 29·3	−0·1	18·378	·20	−0·04	5	7·32	40. 9705
8034	9·2	25 51·47	...	3·6233	·042	...	45 54 42·3	...	18·379	·20	...	3	8·73	46.10418
8035	7·7	26 1·30	0·00	3·5880	·038	0·000	44 3 39·2	0·0	18·385	·20	0·00	3	8·70	44.10233
8036	8·0*	22 26 7·45	−0·02	+3·5732	−0·037	−0·007	−43 15 15·9	0·0	+18·388	+0·20	+0·01	5	6·82	43. 9626
8037	7·5	26 15·25	−0·01	3·5818	·038	−0·003	43 46 37·4	0·0	18·393	·20	+0·01	5	7·70	43. 9627
8038	9·0	26 27·91	−0·01	3·6125	·041	−0·007	45 31 7·7	0·0	18·400	·20	+0·01	3	8·69	45.10306
8039	8·6	27 26·17	0·00	3·7421	·053	−0·007	51 54 1·9	0·0	18·434	·21	−0·08	5	9·69	52.12036
8040	9·0	27 42·92	0·00	3·7032	·050	0·000	50 18 14·9	0·0	18·443	·20	0·00	3	9·59	50.11713

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 19 0·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8041	7·3	22 27 56·59	−0 01	+3·5986	−0·040	−0·005	−45 12 16·8	0·0	+18·451	+0·20	+0·01	3	8·50	45.10308
8042	9·0*	28 4·30	−0·02	3·5740	·038	−0·005	43 52 6·3	−0·2	18·456	·20	−0·05	5	6·78	43. 9633
8043	8·1	28 7 14	+0·01	3·7238	·052	+0·019	51 19 9·4	0·0	18·457	·20	−0·01	3	9·72	51.11835
8044	9·0*	28 9·85	+0·01	3·5458	·036	+0·005	42 14 42·1	+0·3	18·459	·19	+0·09	5	7·02	42. 9457
8045	9·5	28 11·33	...	3·5257	·034	...	41 1 5·5	..	18·460	·19	...	5	7·71	41. 9806
8046	8·8	22 28 34·95	0·00	+3·6511	−0·045	+0·002	−48 6 49·0	0·0	+18·473	+0·20	−0·03	3	9·59	48.10775
8047	8·1	28 48·06	0·00	3·6143	·042	+0·002	46 18 4·4	0·0	18·480	·20	+0·02	3	8·69	46.10419
8048	8·5*	28 52·93	0·00	3·5156	·033	−0·001	40 34 57·5	0·0	18·483	·19	0·00	5	7·17	40. 9710
8049	9·8	28 53·85	...	3·6691	·047	...	49 4 25·6	...	18·484	·20	...	3	9·69	49.11622
8050	9·9	29 6·14	...	3·6782	·048	...	49 33 47·4	...	18·491	·20	...	3	9·71	49.11623
8051	9·8	22 29 10·24	...	+3·6432	−0·045	...	−47 53 33·1	...	+18·493	+0·20	...	3	8·70	48.10779
8052	9·3	29 16·13	...	3·6804	·039	...	44 35 23·5	...	18·496	·19	...	3	8·73	44.10235
8053	10·0	30 2·39	−0·02	3·5483	·037	−0·008	42 56 50·8	0·0	18·522	·19	0·00	5	7·73	43. 9636
8054	9·0	30 10·64	0·00	3·5135	·034	−0·001	40 49 49·3	−0·4	18·527	·19	−0·16	5	7·56	40. 9714
8055	9·0	30 14·35	−0·01	3·5266	·035	−0·003	41 41 29·1	0·0	18·529	·19	+0·01	5	7·75	41. 9810
8056	9·2	22 30 22·96	−0·01	+3·5673	−0·038	−0·006	−44 10 40·9	+0·1	+18·534	+0·19	+0·06	3	8·58	44.10237
8057	7·0	30 35·72	0·00	3·6534	·047	+0·002	48 49 25·7	0·0	18·541	·19	−0·03	3	9·59	48.10781
8058	9·0	30 37·31	0·00	3·6168	·043	−0·001	46 58 37·4	−0·6	18·542	·19	−0·45	3	8·72	47. 9881
8059	6·8	30 38·92	0·00	3·5153	·034	−0·001	41 5 54·7	−0·2	18·542	·19	−0·08	6	7·29	41. 9811
8060	8·9	30 49·68	...	3·5907	·041	...	45 38 7·1	...	18·549	·19	...	3	8 74	45.10312
8061	8·7	22 30 58·05	0·00	+3·6411	−0·046	+0·005	−48 19 44·9	0·0	+18·553	+0·19	−0·02	3	9·69	48.10785
8062	8·0	31 23·15	−0·01	3·5796	·040	−0·007	45 11 0·0	0·0	18·567	·19	−0·03	3	8·58	45.10313
8063	8·4	31 40·26	0·00	3·6837	·050	+0·006	50 35 5·9	0·0	18·576	·19	−0·06	3	9·59	50.11721
8064	9·0	31 53·53	−0·01	3·5384	·036	−0·005	42 55 24·1	0·0	18·584	·19	+0·01	5	7·72	43. 9637
8065*	6·8*	31 59·63	−0 02	3·4980	·033	−0·008	40 22 34·1	0·0	18·587	·18	0·00	5	7·33	40. 9717
8066	7·5	22 32 4·37	+0·01	+3·6131	−0·043	+0·010	−47 13 36·9	−0·1	+18·589	+0·19	−0·07	3	8·71	47. 9883
8067	8·4	32 28·29	−0·01	3·5578	·038	−0·007	44 15 48·5	−0·1	18·603	·19	−0·04	3	8·52	44.10245
8068	7·9	32 28·66	0·00	3·6493	·047	−0·001	49 12 0·3	0·0	18·603	·19	−0·01	3	9·69	49.11631
8069	9·5	32 37·85	...	3·5421	·037	...	43 22 37·0	...	18·608	·18	...	5	7·53	43. 9638
8070	7·9	33 22·16	0·00	3·6859	·051	0·000	51 12 4·6	0·0	18·632	·19	0·00	3	9·60	51.11846
8071	7·8*	22 33 34·43	0·00	+3·5442	−0·038	0·000	−43 47 33·0	0·0	+18·638	+0·18	−0·01	5	6·80	43. 9639
8072	9·4	33 44·65	...	3·6684	·050	...	50 30 30·1	...	18·644	·19	...	3	9·71	50.11732
8073	8·9	33 49·25	0·00	3·6025	·043	+0·001	47 12 16·9	0·0	18·646	·19	−0·02	3	8·52	47. 9888
8074	9·8	33 55·27	...	3·6303	·046	...	48 41 35·7	...	18·649	·19	...	3	9·74	48.10792
8075	7·5	34 2·91	0·00	3·6582	·049	+0·004	50 7 2·1	0·0	18·653	·19	−0·07	3	9·59	50.11733
8076	9·4	22 34 4·15	·...	+3·5203	−0·036	...	−42 28 20·7	...	+18·654	+0·18	...	5	7·72	42. 9470
8077	10·0	34 7·63	...	3·6512	·048	...	49 48 8·3	...	18·656	·19	...	3	9·75	49.11635
8078	9·3	34 22·12	0·00	3·6915	·052	+0·002	51 45 51·1	0·0	18·664	·19	−0·02	3	9·70	51.11848
8079	8·5*	34 30·67	−0·01	3·5420	·038	−0·002	43 57 37·7	0·0	18·668	·18	−0·01	5	7·02	44.10250
8080	8·4	34 56·17	+0·01	3·5748	·041	+0·005	46 1 33·3	0·0	18·679	·18	−0·02	3	8·52	46.10429

8065. $6^m·8$, $11^m·3$ 3″·4 279° Brighter star observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8081	8·0	22 34 56·96	.	+3·5694	−0·040	...	−45 43 24·4	...	+18·682	+0·18	...	3	8·71	45.10320
8082	8·8	34 57·83	−0·01	3·5573	·039	−0·008	45 1 33·2	0·0	18·683	·18	+0·02	3	8·68	45.10321
8083	8·5	35 1·04	+0·01	3·5867	·042	+0·007	46 43 23·1	0·0	18·684	·18	−0·01	3	8·73	46.10430
8084	8·0	35 6·54	0·00	3·6120	·045	+0·010	48 7 33·0	0·0	18·687	·18	−0·05	3	9·69	48.10796
8085	9·5	35 20·48	...	3·5058	·035	...	41 55 59·6	...	18·695	·18	...	5	7·19	42. 9471
8086	8 5	22 35 26·13	0·00	+3·5437	−0·038	+0·001	−44 21 43·9	0·0	+18·698	+0·18	+0·01	3	8·75	44.10254
8087	9·9	35 59·01	...	3·5145	·036	...	42 42 22·8	...	18·715	·18	...	5	7·74	42. 9474
8088	8·8	36 8·58	0·00	3·6166	·046	+0·001	48 41 53·9	0·0	18·720	·18	−0·02	3	9·69	48.10799
8089	10·1	36 33·87	...	3·6594	·050	...	50 58 10·6	...	18·733	·18	...	3	9·73	51.11854
8090	6·5*	36 39·33	0·00	3·5953	·044	−0·002	47 43 28·0	−0·5	18·736	·18	−0·34	3	8·45	47. 9895
8091	2·0*	22 36 41·81	+0·02	+3·5892	−0·043	+0·014	−47 24 26·9	0·0	+18·737	+0·18	−0·03	3	8·66	47. 9896
8092	8·4†	36 50·28	...	3·5258	·037	...	43 42 22·8	...	18·741	·17	...	5	7·02	43. 9647
8093	6·5*	36 50·33	0·00	3·5430	·039	+0·001	44 46 19·5	0·0	18·741	·18	+0·03	3	8·70	44.10258
8094	9·4	36 55·56	0·00	3·6760	·052	+0·005	51 52 4·7	0·0	18·744	·18	−0·02	3	9·69	51.11856
8095	9·1	36 59·12	−0·01	3·4719	·032	−0·005	40 9 31·8	−0·2	18·746	·17	−0·08	5	7·71	40. 9725
8096	9·7	22 37 39·61	−0·02	+3·5437	−0·039	−0·010	−45 5 24·3	0·0	+18·767	+0·17	+0·03	3	8·45	45.10326
8097	6·0	37 42·03	−0·01	3·4943	·035	−0·002	41 56 7·7	−0·3	18·768	·17	−0·10	5	7·40	42. 9480
8098	7·8	37 43·93	0·00	3·4754	·033	−0·001	40 39 6·8	−0·1	18·769	·17	−0·04	5	7·36	40. 9728
8099	9·3	38 4·64	0·00	3·6011	·045	−0·001	48 30 44·4	0·0	18·780	·18	+0·02	3	9·69	48.10805
8100	9·0	38 7·09	0·00	3·5338	·039	−0·001	44 37 56·1	+0·1	18·781	·17	+0·06	3	8·66	44.10259
8101	9·7	22 38 17·42	...	+3·5510	−0·040	...	−45 44 4·1	...	+18·786	+0·17	...	3	8·73	45.10327
8102	8·5	38 35·55	0·00	3·4659	·032	0·000	40 15 43·0	−0·2	18·795	·17	−0·08	5	7 01	40. 9729
8103	9·8	38 49·57	...	3·6358	·049	...	50 33 35·5	...	18·803	·18	...	3	9·72	50.11742
8104	8·0	39 3·25	−0·03	3·4783	·034	−0·012	41 17 30·4	−0·1	18·809	·17	−0·04	5	7·16	41. 9830
8105	9·8	39 8·89	...	3·6074	·046	...	49 12 17·8	...	18·812	·17	...	3	9·71	49.11649
8106	9·2	22 39 16·20	−0·01	+3·5517	−0·041	−0·007	−46 6 36·2	0·0	+18·816	+0·17	−0·02	3	8·45	46.10435
8107	10·1	39 19·70	.	3·6515	·051	..	51 29 37·6	...	18·818	·18	...	3	9·74	51.11862
8108	6·0*	39 46·50	−0·01	3·5651	·042	−0·007	47 4 20·8	0·0	18·831	·17	−0·02	3	8·68	47. 9899
8109	9·6	39 48·91	...	3·6145	·047	...	49 48 16·0	...	18·832	·17	...	3	9·70	49.11651
8110	9·3†	40 2·88	...	3·4885	·035	...	42 19 51·4	...	18·839	·17	...	5	6·82	42. 9485
8111	9·1	22 40 6·29	+0·02	+3·5746	−0·044	+0·012	−47 43 53·2	−0·1	+18·841	+0·17	−0·09	3	8·71	47. 9900
8112	6·5*	40 7·50	+0·01	3·6068	·047	+0·019	49 30 11·7	0·0	18·842	·17	−0·05	3	9·69	49.11653
8113	8·6	40 9·59	0·00	3·5596	·042	−0·003	46 53 6·9	−0·1	18·843	·17	−0·07	3	8·73	47. 9901
8114	8·0	40 10·53	+0·01	3·5508	·041	+0·006	46 22 4·7	0·0	18·843	·17	+0·01	3	8·74	46.10440
8115	9·5	40 11·05	−0·06	3·4969	·036	−0·027	42 56 46·3	−0·2	18·843	·17	−0·07	5	7·72	43. 9651
8116	8·4	22 40 21·53	...	+3·5943	−0·046	...	−48 54 58·5	...	+18·849	+0·17	...	3	9·75	49.11654
8117	7·0	40 27·93	0·00	3·6180	·048	+0·009	50 12 14·8	−0·1	18·852	·17	−0·27	3	9·73	50.11746
8118	9·3	40 49·17	0·00	3·4521	·032	+0·001	40 0 20·4	−0·1	18·862	·16	−0·05	5	7·57	40. 9736
8119	9·2*	40 52·55	0·00	3·5216	·039	−0·003	44 48 32·5	−0·1	18·864	·17	−0·05	3	8·45	44.10262
8120	8·3	40 59·81	+0·01	3·5331	·040	+0·006	45 34 39·6	0·0	18·868	·17	0·00	3	8·71	45.10334

No.	Mag.	Mean R A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8121	7·7†	22 41 0·76	...	+3·4943	−0·036	...	−43 3 32·9	...	+18·868	+0·16	...	5	7·73	43. 9653
8122	8·3	41 19·13	0·00	3·5132	·038	0·000	44 25 21·5	0·0	18·877	·16	+0·02	3	8·73	44.10264
8123	9·7	41 48·21	...	3·4729	·034	...	41 51 36·6	...	18·891	·16	...	5	7·35	41. 9834
8124	9·6	41 53·73	−0·02	3·4949	·036	−0·008	43 24 50·0	+0·2	18·894	·16	+0·07	5	7·74	43. 9657
8125	9·0	42 30·64	...	3·5278	·040	...	45 46 34·6	...	18·912	·16	...	3	8·45	45.10338
8126	4·0*	22 42 30·99	0·00	+3·6365	−0·051	+0·011	−51 50 33·2	0·0	+18·912	+0·17	−0·06	3	9·69	51.11870
8127	9·5	42 44·63	0·00	3·5743	·045	+0·001	48 38 4·1	0·0	18·919	·16	−0·05	3	9·71	48.10818
8128	9·3	42 51·10	...	3·5511	·043	...	47 19 30·2	...	18·922	·16	...	3	8·70	47. 9906
8129	9·7	42 55·61	...	3·6135	·049	...	50 49 20·9	...	18·924	·17	...	3	9·73	50.11750
8130	8·4	43 8·60	−0·01	3·5141	·039	−0·009	45 7 44·2	0·0	18·930	·16	−0·02	3	8·72	45.10340
8131	8·0*	22 43 21·51	0·00	+3·4457	−0·032	+0·001	−40 24 3·6	−0·2	+18·936	+0·16	−0·06	5	6·81	40. 9742
8132	9·8	43 24·43	...	3·4525	·033	...	40 55 45·7	...	18·938	·16	...	6	7·43	41. 9837
8133	9·8	43 26·13	...	3·4578	·033	...	41 20 20·1	...	18·939	·16	...	5	7·74	41. 9838
8134	9·4	43 40·62	...	3·5767	·046	...	49 6 8·7	...	18·945	·16	...	3	9·69	49.11664
8135	9·5	43 42·94	...	3·4615	·034	...	41 42 31·1	...	18·947	·16	...	5	7·75	41. 9839
8136	9·3	22 43 47·23	0·00	+3·5880	−0·047	−0·001	−49 46 0·7	0·0	+18·949	+0·16	0·00	3	9·71	49.11665
8137	8·5	44 2·25	0·00	3·5065	·038	−0·002	44 57 8·0	+0·1	18·956	·16	+0·04	3	8·45	45.10341
8138	9·5	44 8·44	...	3·5266	·041	...	46 16 51 8	...	18·959	·16	...	3	8·71	46.10451
8139	9·4	44 9·14	...	3·5516	·043	...	47 49 13·6	...	18·959	·16	...	3	8·74	47. 9910
8140	9·5	44 14·88	...	3·5959	·048	...	50 21 37·5	...	18·962	·16	...	3	9·73	50.11754
8141	8·0*	22 44 29·28	−0·13	+3·4618	−0·034	−0·040	−42 0 48·0	−0·8	+18·968	+0·16	−0·25	5	6·82	42. 9492
8142	8·8	44 54·42	−0·01	3·4897	·037	−0·007	44 8 8·8	0·0	18·980	·16	−0·02	3	8·73	44.10274
8143	9·4	45 0·54	0·00	3·6095	·050	+0·005	51 21 9·8	0·0	18·983	·16	+0·03	3	9·69	51.11877
8144	9·1	45 30·57	−0·03	3·4358	·032	−0·011	40 25 15·5	0·0	18·997	·15	−0 02	5	7·72	40. 9745
8145	7·8*	45 36·31	−0·02	3·4576	·034	−0·006	42 6 40·8	−0·1	19·000	·15	−0·02	5	6·83	42. 9493
8146	9·5	22 45 41·84	0·00	+3·4779	−0·036	−0·002	−43 36 53·1	0·0	+19·002	+0·15	0·00	5	7·56	43. 9664
8147	8·9	45 59·90	−0·01	3·5320	·042	−0·009	47 18 20·9	−0·2	19·011	·16	−0·12	3	8·71	47. 9914
8148	7·5*	46 0·12	+0·01	3·5011	·039	+0·005	45 18 54·8	0·0	19·011	·15	−0·03	3	8·54	45.10346
8149	7·6	46 26·23	0·00	3·5424	·043	+0·001	48 6 20·6	0·0	19·023	·16	−0·03	3	9·69	48.10830
8150	7·5	46 34·20	0·00	3·5485	·044	+0·003	48 31 23·5	0·0	19·027	·15	−0·05	3	9·71	48.10831
8151	7·6	22 46 36·84	...	+3·5159	−0·041	...	−46 31 17·1	...	+19·028	+0·15	...	3	8 73	46.10453
8152	8·3*	46 47·11	−0·03	3·4681	·036	−0·009	43 19 7·7	−0·1	19·033	·15	−0·03	5	6·83	43. 9666
8153	8·9	47 7·22	−0·01	3·4425	·033	−0·004	41 32 5·6	+0·1	19·042	·15	+0·06	5	7·54	41. 9842
8154	7·5	47 26·92	0·00	3·4983	·039	+0·003	45 40 44·3	−0·1	19·051	·15	−0·04	3	8·54	45.10352
8155	9·0	47 28·76	...	3·5166	·041	...	46 53 43·1	...	19·052	·15	...	3	8·71	47. 9916
8156	9·9	22 47 37·62	...	+3·5828	−0·049	...	−50 53 27·0	...	+19·056	+0·15	...	3	9·70	51.11882
8157	6·0*	47 42·78	+0·01	3·5514	·045	+0·021	49 7 39·7	0·0	19·058	·15	−0·09	3	9·72	49.11672
8158	9·5	47 50·38	0·00	3·5859	·049	+0·005	51 7 54·4	0·0	19·061	·15	−0·01	3	9·74	51.11883
8159	9·8	47 54·21	...	3·4215	·032	...	40 11 2·9	...	19·063	·15	...	5	7·72	40. 9750
8160	9·1	48 8·09	0·00	3·5648	·047	+0·003	50 4 6·9	−0·1	19·069	·15	−0·20	3	9·75	50.11760

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8161	9·0	22 48 27.08	...	+3·5037	−0·040	...	−46 25 10·4	...	+19·078	+0·15	...	3	8·54	46.10461
8162	8·0*	48 49·04	−0·01	3·4449	·034	−0·003	42 21 46·0	0·0	19·088	·15	0·00	5	6·83	42. 9500
8163	9·7	49 3·72	...	3·5852	·050	...	51 33 43·8	...	19·094	·15	...	3	9·72	51.11884
8164	9·3	49 8·28	...	3·4268	·033	...	41 4 28·5	...	19·096	·14	...	5	7·72	41. 9845
8165	7·6	49 21·47	0·00	3·5104	·042	+0·001	47 12 35·6	−0·1	19·102	·15	−0·08	3	8·72	47. 9920
8166	6·5*	22 49 26·53	−0·01	+3·5386	−0·045	−0·026	−49 1 33·9	0·0	+19·104	+0·15	+0·04	5	9·72	49.11676
8167	8·5	49 40·98	−0·01	3·4542	·036	−0·003	43 25 0·4	0·0	19·111	·14	−0·01	5	7·75	43. 9676
8168	7·5*	49 41·77	0·00	3·5030	·041	−0·003	46 51 40·8	+0·1	19·111	·15	+0·04	3	8·54	46.10462
8169	8·9	49 48·88	...	3·4640	·037	...	44 11 27·9	...	19·114	·14	...	3	8·74	44.10281
8170	9·3	49 51·24	...	3·5452	·046	...	49 34 56·6	. .	19·115	·15	...	3	9·72	49.11677
8171	7·0	22 50 12·37	0·00	+3·4285	−0·033	−0·001	−41 37 50·8	0·0	+19·124	+0·14	0·00	5	7·02	41. 9848
8172	7·5	50 12·87	−0·01	3·4471	·035	−0·003	43 5 9·6	−0·1	19·125	·14	−0·03	9	7·25	43. 9677
8173	8·5	50 23·16	−0·01	3·4540	·036	−0·003	43 40 38·4	0·0	19·129	·14	−0·01	5	7·71	43. 9679
8174	9·4†	50 25·22	...	3·4223	·033	...	41 13 7·3	...	19·130	·14	...	5	7·37	41. 9849
8175	10·0	50 55·26	...	3·5559	·048	...	50 37 58·6	...	19·143	·15	...	3	9·71	50.11763
8176	6·0*	22 50 58·09	0·00	+3·5205	−0·044	−0·006	−48 30 11·7	0·0	+19·144	+0·14	−0·01	3	9·70	48.10839
8177	9·0	51 18·18	−0·01	3·4707	·038	−0·007	45 16 25·6	−0·1	19·153	·14	−0·04	3	8·54	45.10364
8178	9·2	51 53·39	0·00	3·5041	·042	0·000	47 48 16·0	0·0	19·168	·14	−0·03	3	8·61	47. 9927
8179	9·3	51 59·79	0·00	3·5214	·044	+0·006	48 58 19·4	0·0	19·171	·14	0·00	3	9·69	49.11682
8180	7·5*	52 12·27	+0·01	3·4715	·039	+0·004	45 41 30·1	0·0	19·176	·14	−0·03	3	8·55	45.10366
8181	8·3	22 52 20·45	0·00	+3·4828	−0·040	−0·001	−46 32 47·8	0·0	+19·180	+0·14	−0·01	3	8·73	46.10469
8182	8·6	52 30·98	0·00	3·5570	·049	+0·014	51 19 57·6	0·0	19·184	·14	−0·04	3	9·72	51.11891
8183	8·5*	52 34·97	+0·03	3·4260	·034	+0·009	42 23 27·8	0·0	19·186	·14	0·00	5	6·80	42. 9510
8184	7·9	52 36·83	0·00	3·5621	·050	−0·005	51 39 45·5	0·0	19·187	·14	+0·02	3	9·74	51.11892
8185	9·4	52 50·55	...	3·4301	·034	...	42 49 20·6	...	19·192	·14	...	5	7·37	42. 9512
8186	9·0	22 53 4·18	−0·01	+3·4004	−0·031	−0·002	−40 27 17·2	−0·2	+19·198	+0·13	−0·08	5	7·35	40. 9757
8187	8·5	53 16·29	...	3·4695	·039	...	45 59 28·4	...	19·203	·14	...	6	8·58	46.10476
8188	9·0	53 18·05	+0·01	3·4488	·037	+0·005	44 28 15·5	0·0	19·204	·14	−0·02	3	8·72	44.10288
8189	9·5	53 38·37	0·00	3·5209	·045	+0·002	49 36 47·4	0·0	19·212	·14	−0·05	3	9·71	49.11686
8190	9·6	53 51·01	...	3·5319	047	...	50 23 5·1	...	19·218	·14	...	3	9·71	50.11765
8191	8·0	22 54 16·26	0·00	+3·4782	−0·041	+0·002	−47 1 39·3	0·0	+19·228	+0·14	−0·02	5	8·66	47. 9931
8192	9·5	54 23·61	...	3·4376	·036	..	44 4 12·8	...	19·231	·13	...	3	8·73	44.10290
8193	9·3	54 31·29	0·00	3·4941	·043	−0·004	48 14 8·3	0·0	19·234	·14	+0·03	3	9·71	48.10843
8194	9·5	54 45·14	...	3·5323	·048	...	50 47 0·2	...	19·240	·14	...	3	9·72	50.11767
8195	7·3*	54 45·29	−0·03	3·4066	·033	−0·010	41 41 11·0	−0·2	19·240	·13	−0·07	5	6·78	41. 9856
8196	7·2	22 54 56·85	0·00	+3·5182	−0·046	+0·009	−49 59 15·4	0·0	+19·245	+0·14	−0·02	5	9·73	50 11768
8197	8·3†	55 10·83	...	3·3901	·031	...	40 25 56·7	...	19·250	·13	...	5	6·84	40. 9759
8198	8·9	55 20·24	−0·01	3·4772	·041	−0·005	47 24 45·5	0·0	19·254	·13	+0·03	3	8·52	47. 9934
8199	9·0*	55 49·19	−0·01	3·4165	·034	−0·002	42 58 48·3	+0·1	19·266	·13	+0·04	5	6·80	43. 9689
8200	7·0	56 4·93	...	3·4451	·038	...	45 22 36·7	...	19·272	·13	...	3	8·65	45.10378

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8201	9·0	22 56 19·92	0·00	+3·5356	−0·049	−0·003	−51 38 57·3	0·0	+19·278	+0·13	−0·01	3	9·69	51.11897
8202	8·8	56 27·65	−0·01	3·4357	·037	−0·004	44 48 57·5	−0·1	19·281	·13	−0·10	3	8·52	44.10293
8203	7·5	56 40·63	+0·01	3·5103	·046	+0·018	50 13 42·7	−0·1	19·286	·13	−0·23	3	9·72	50.11772
8204	7·3	56 44·62	−0·01	3·4473	·039	−0·006	45 50 29·1	−0·1	19·288	·13	−0·04	3	8·71	45.10380
8205	9·0	56 47·83	...	3·4574	·040	...	46 37 21·9	...	19·289	·13	...	3	8·74	46.10482
8206	10·0	22 57 0·25	...	+3·4952	−0·044	...	−49 22 23·2	...	+19·294	+0·13	...	3	9·74	49.11690
8207	9·0*	57 6·45	0·00	3·3795	·031	−0·001	40 18 27·7	−0·2	19·297	·13	−0·06	5	6·82	40. 9764
8208	7·0	57 10·59	0·00	3 4796	·043	+0·001	48 23 9·3	0·0	19·298	·13	−0·03	3	9·69	48.10846
8209	8·0	57 25·79	0·00	3·4696	·042	0·000	47 47 27·7	−0·1	19·304	·13	−0·04	3	8·45	47. 9937
8210	7·5	57 48·88	0·00	3·4136	·035	0·000	43 36 47·6	−0·5	19·313	·13	−0·17	5	7·20	43. 9694
8211	6·5	22 58 4 97	0·00	+3·3863	−0·032	−0·001	−41 21 19·6	0·0	+19·320	+0·12	+0·01	5	7·17	41. 9861
8212*	8·3	58 15·73	+0·01	3·4498	·040	+0·004	46 42 23·4	0·0	19·324	·13	+0·01	3	8·71	46.10486
8213	8·8	58 19·71	...	3 4392	·039	...	45 55 25·6	...	19·325	·12	...	3	8·54	46.10488
8214	6 0*	58 21·79	−0·02	3·3922	·033	−0·006	42 1 8·9	+0·2	19·326	·12	+0·06	5	7·37	42. 9516
8215	8·7	58 23·65	0·00	3·5076	·047	−0·002	50 48 17·7	0·0	19·327	·13	−0·02	3	9·69	50.11776
8216	9 6	22 58 34·75	−0·02	+3·3905	−0·033	−0·010	−41 57 32·6	+0·1	+19·331	+0·12	+0·03	6:5	7·73	42. 9517
8217	9·2	58 49·14	−0·01	3·3966	·034	−0·005	42 36 46·8	+0·1	19·337	·12	+0·02	5	7·22	42. 9518
8218	7·5	59 26 05	−0·05	3·4043	·035	−0·017	43 33 54·3	−0·2	19·351	·12	−0·06	5	7·17	43. 9696
8219	9·5	59 33·83	0·00	3·3881	·033	+0·002	42 11 50·9	0·0	19·354	·12	−0·02	5	7·74	42. 9520
8220	9·7	59 35 16	...	3·4173	·036	...	44 43 53·0	...	19·354	·12	...	3	8·45	44.10294
8221	7·0*	23 0 4·51	−0·03	+3·4016	−0·035	−0·008	−43 37 5·1	−0·1	+19·365	+0·12	−0·03	5	6·85	43. 9697
8222	9·0	0 4·90	...	3·3739	·032	...	41 7 26·9	...	19·366	·12	...	5	7·73	41. 9864
8223	9·8	0 12·02	...	3·4531	·041	...	47 50 39·3	...	19·368	·12	...	3	8·73	47. 9941
8224	9·0	0 13·10	0·00	3·4347	·039	−0·001	46 26 5·2	0·0	19·369	·12	−0·01	3	8·69	46.10494
8225	9·2	0 13·24	...	3·5059	·048	...	51 30 46·2	...	19·369	·12	...	3	9·71	51.11905
8226	10·1	23 0 30·13	...	+3·4887	−0·046	...	−50 30 55·1	...	+19·375	+0·12	...	3	9·74	50.11779
8227	10·0	0 30·76	...	3·4633	·043	...	48 44 24·1	...	19·375	·12	...	3	9·79	48.10853
8228	9·3	0 31·08	...	3·4408	·040	...	47 3 22·8	...	19·375	·12	...	3	8·75	47· 9942
8229	8·7	0 35·96	...	3·4160	·037	...	45 5 59·4	...	19·377	·12	...	3	8·45	45.10389
8230	7·5*	0 38·55	0·00	3·4568	·042	−0·002	48 19 31·4	0·0	19·378	·12	−0·01	3	9·76	48.10854
8231	9·7	23 0 47·60	0·00	+3·4759	−0·045	+0·001	−49 46 18·3	0·0	+19·382	+0·12	−0·04	3	9·80	49.11699
8232	9·0*	1 2·04	+0·01	3·3662	·031	+0·002	40 50 2·3	0·0	19·387	·12	−0·01	5	6·82	40. 9770
8233*	4·0*	1 14 84	−0·01	3·4002	·035	−0·005	44 3 37·3	0·0	19·392	·12	−0·03	6	8·72	44.10297
8234	6·5*	1 23·82	0·00	3·4772	·045	+0·001	50 8 48·1	0·0	19·395	·12	−0·01	3	9·70	50.11782
8235	8·5*	1 56·62	−0·02	3·4010	·036	−0·010	−44 27 40·5	+0·1	19·407	·12	+0·05	3	8·45	44.10300
8236	9·3	23 2 55·96	...	+3·4584	−0·044	...	49 32 7·4	...	+19·429	+0·12	...	3	9·70	49.11702
8237	8·5	3 5·21	0·00	3·4877	·048	−0·005	51 39 30·4	0·0	19·432	·12	−0·08	3	9·73	51.11916
8238	9·5*	3 7·66	−0·01	3·3858	·035	−0·004	43 41 15·9	0·0	19·433	·11	−0·01	5	6·83	43. 9705
8239	9·4†	3 11·09	...	3·3713	·033	...	42 21 42·2	...	19·434	·11	...	5	7·04	42. 9529
8240	10·0	3 13·87	...	3·4739	·046	...	50 47 30·6	...	19·435	·12	...	3	9·75	50.11784

8212. $8^m·5$. $10^m·1$ 3″·1 107° Mass observed.

8233. $4^m.1$, $7^m·8$ 2″·0 29° Mass observed.

No.	Mag.	Mean R.A 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8241	9·3	23 3 18·81	...	+3·3485	−0·030	....	−40 10 9·8	...	+19·437	+0·11	...	5	7·73	40. 9777
8242	9·3	3 23·91	...	3·4260	·040	...	47 16 3·0	..	19·439	·11	...	3	8·71	47. 9946
8243	8·0	3 24·20	0·00	3·4112	·038	+0·003	46 3 11·1	−0·1	19·439	·11	−0·04	3	8·45	46.10500
8244	9·0	3 41·05	+0·01	3·3602	·032	+0·006	41 31 58·7	0·0	19·445	·11	+0·01	5	7·75	41. 9872
8245	8·3	3 43·47	0·00	3·4370	·042	+0·008	48 18 7·1	0·0	19·446	·12	−0·03	3	9·72	48.10860
8246	6·0*	23 4 24·38	−0·11	+3·3760	−0·034	−0·035	−43 24 9·2	−0·1	+19·460	+0·11	−0·03	5	6·84	43. 9709
8247	7·0	4 35·81	0·00	3·3517	·031	0·000	41 7 57·1	−0·2	19·464	·11	−0·06	7	7·12	41. 9874
8248	9·5	4 41·38	...	3·3611	·032	...	42 7 15·2	...	19·466	·11	...	5	7·73	42. 9533
8249	4·0*	4 42·02	+0·02	3·4006	·038	+0·013	45 47 18·1	−0·1	19·466	·11	−0·05	3	8·45	45.10393
8250	9·0	4 46·41	+0·03	3·3688	·033	+0·012	42 54 21·8	−0·1	19·468	·11	−0·05	5	7·76	43. 9712
8251	7·2	23 4 50·61	0·00	+3·3451	−0·030	−0·002	−40 34 30·9	−0·1	+19·469	+0·11	−0·04	5	7·81	40. 9786
8252	9·7	5 2·39	...	3·4471	·044	...	49 43 52·3	...	19·473	·11	...	3	9·71	49.11707
8253	9·7	5 6·11	...	3·4203	·040	...	47 39 55·1	...	19·474	·11	...	3	8·72	47. 9951
8254	9·1	5 16·90	0·00	3·4697	·047	−0·013	51 30 9·9	−0·1	19·478	·11	−0·33	3	9·72	51.11919
8255	9·3	5 23·76	...	3·3789	·035	...	44 11 25·4	...	19·481	·11	...	3	8·71	44.10305
8256	9·8	23 5 33·50	0·00	+3·4235	−0·041	−0·006	−48 9 50·5	0·0	+19·484	+0·11	−0·03	3	9·75	48.10861
8257	9·0	5 43·97	0·00	3·3988	·038	−0·001	46 10 3·7	−0·1	19·488	·11	−0·06	3	8·45	46.10505
8258	8·3	5 45·57	0·00	3·3699	·034	0·000	43 31 13·6	−0·1	19·488	·10	−0·03	5	7·71	43. 9715
8259	9·8*	5 50·21	−0·01	3·3512	·032	−0·004	41 42 56·5	0·0	19·490	·11	+0·01	5	6·82	41. 9877
8260	9·8	6 2·28	...	3·4291	·042	...	48 50 45·9	...	19·494	·11	...	3	9·73	48.10863
8261	7·9	23 6 13·79	+0·01	+3·3857	−0·036	+0·007	−45 16 1·1	0·0	+19·498	+0·11	0·00	3	8·70	45.10395
8262	7·5	6 26·98	0·00	3·3767	·035	−0·002	44 31 53·9	−0·1	19·502	·11	−0·05	3	8·72	44.10307
8263	9·8	7 14·33	...	3·3947	·038	...	46 35 29·9	...	19·518	·10	...	3	8·64	46 10511
8264	9·0*	7 17·16	−0·02	3·3284	·030	−0·005	40 1 54·5	0·0	19·519	·10	0·00	5	6·81	40. 9794
8265	6·5*	7 33·55	0·00	3·4356	·044	−0·004	50 9 44·8	0·0	19·524	·11	−0·04	3	9·70	50.11788
8266	9·0	23 7 47·84	−0·02	+3·3570	−0·034	−0·008	−43 19 41·5	−0·1	+19·529	+0·10	−0·04	5	7·19	43. 9718
8267	9·8	7 54·24	...	3·4090	·041	...	48 11 2·7	...	19·531	·10	...	3	9·73	48.10864
8268	9·5	7 55·14	...	3·3799	·037	...	45 36 47·6	...	19·531	·10	...	3	8·52	45.10403
8269	9·5*	8 10·71	−0·03	3·3260	·030	−0·008	40 15 10·1	−0·2	19·537	·10	−0·07	5	6·82	40. 9798
8270	7·5*	8 11·08	0·00	3·4020	·040	−0·002	47 44 18·0	0·0	19·537	·10	−0·01	3	8·62	47. 9958
8271	8·5	23 9 7·95	0·00	+3·4173	−0·043	−0·005	−49 32 27·8	0·0	+19·555	+0·10	−0·04	3	9·70	49.11714
8272	9·3	9 8·07	+0·01	3·3592	·035	+0·008	44 17 17·0	0·0	19·555	·10	−0·03	3	8·45	44 10311
8273	9·3	9 23·11	...	3·4444	·047	..	51 47 59·4	...	19·560	·10	...	3	9·73	51.11932
8274	6·3*	9 25·79	+0·02	3·3324	·031	+0·006	41 38 49·0	−0·4	19·561	·10	−0·12	5	6·82	41. 9893
8275	9·9	9 27·11	...	3·4386	·046	...	51 23 58·2	...	19·561	·10	...	3	9·76	51.11933
8276	9·0*	23 9 40·10	−0·01	+3·3391	−0·032	−0·002	−42 30 0·2	+0·3	+19·565	+0·10	+0·09	5	6·85	42. 9544
8277	9·2	9 41·59	+0·01	3·3514	·034	+0·003	43 48 28·1	−0·2	19·566	·10	−0·10	5	7·72	43. 9722
8278	9·5	9 41·74	...	3·3218	·030	...	40 35 54·6	...	19·566	·10	...	5	7·76	40. 9803
8279	9·5	9 56·59	0·00	3·4065	·042	+0·005	49 5 32·0	0·0	19·571	·10	−0·03	3	9·75	49.11716
8280	9·3	10 8·19	0·00	3·3435	·033	+0·001	43 14 8·1	0·0	19·574	·10	+0·01	5	7·76	43. 9723

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8281	9·6	23 10 22·57	...	+3·4192	−0·044	...	−50 23 36·3	...	+19·579	+0·10	...	3	9·72	50.11796
8282	9·5	10 30·88	+0·01	3·3205	·030	+0·002	40 55 12·1	−0·3	19·581	·10	−0·13	5	7·36	41. 9895
8283	8·5	10 35·75	0·00	3·3805	·039	+0·001	47 9 24·0	0·0	12·583	·10	+0·02	3	8·45	47. 9965
8284	8·8	10 36·51	...	3·3743	·038	...	46 35 15·8	...	19·583	·10	...	3	8·73	46.10515
8285	8·9	10 39·17	+0·05	3·3588	·036	+0·043	45 5 53·3	+0·2	19·584	·10	+0·16	3	8·73	45.10407
8286	8·5†	23 10 46·61	0·00	+3·3218	−0·031	−0·001	−41 12 30·6	+0·1	+19·586	+0·10	+0·02	5	6·85	41. 9896
8287	8·8	11 2·25	0·00	3·3342	·032	+0·001	42 45 11·0	0·0	19·591	·09	−0·01	5	7·74	42. 9549
8288	8·5	11 17·66	+0·01	3·3826	·039	+0·007	47 44 59·9	+0·1	19·596	·10	+0·06	3	8·73	47. 9966
8289	7·0	11 19·13	−0·02	3·3238	·031	−0·009	41 44 26·2	0·0	19·596	·09	+0·01	5	7·53	41. 9899
8290	8·7	11 32·22	+0·01	3·3650	·037	+0·007	46 13 2·7	−0·3	19·600	·09	−0·24	3	8·73	46.10520
8291	8·3	23 11 55·08	0·00	+3·3583	−0·036	−0·001	−45 46 46·5	+0·1	+19·607	+0·09	+0·07	3	8·45	45.10410
8292	8·2†	11 58·10	...	3·3091	·030	...	40 24 51·6	...	19·608	·09	...	5	6·82	40. 9807
8293	7·0	12 23·95	0·00	3·3855	·041	−0·004	48 39 33·5	0·0	19·616	·09	−0·03	3	9·71	48.10869
8294	9·8	12 58·37	...	3·3913	·042	...	49 30 54·7	...	19·626	·09	...	3	9·78	49.11719
8295	9·7	13 15·11	...	3·4054	·045	...	50 53 36·8	...	19·631	·09	...	3	9·74	51.11937
8296	9·9	23 13 25·98	...	+3·3396	−0·035	...	−44 44 48·9	...	+19·634	+0·09	...	3	8·74	44.10315
8297	9·8	13 38·93	...	3·4114	·046	...	51 37 52·3	...	19·638	·09	...	3	9·82	51.11939
8298	9·0	13 40·34	0·00	3·3982	·044	+0·003	50 31 42·4	0·0	19·639	·09	+0·02	3	9·72	50.11800
8299	9·4	13 49·58	0·00	3·3622	·038	0·000	47 18 52·9	0·0	19·641	·09	−0·01	3	8·45	47. 9970
8300	8·0	14 8·58	0·00	3·3558	·038	−0·002	46 52 8·3	0·0	19·647	·09	−0·02	6	8·74	47. 9972
8301	7·8*	23 14 12·60	−0·02	+3·3081	−0·031	−0·006	−41 37 49·4	0·0	+19·648	+0·09	−0·01	5	6·81	41. 9914
8302	7·0	14 24·82	0·00	3·3665	·040	−0·003	48 5 15·0	0·0	19·652	·09	−0·01	5	9·76	48.10872
8303	9·3	14 43·86	...	3·3113	·032	...	42 20 0·7	...	19·658	·09	...	5	7·03	42. 9559
8304	7·8	14 53·96	0·00	3·3221	·033	+0·001	43 41 46·8	−0·1	19·660	·09	−0·05	5	7·55	43. 9730
8305	8·0	15 0·68	...	3·2952	·029	...	40 32 24·1	...	19·662	·09	...	5	7·73	40. 9818
8306	6·2*	23 15 12·70	0·00	+3·3912	−0·044	+0·001	−50 51 7·8	0·0	+19·665	+0·09	−0·09	3	9·71	50.11801
8307	9·0*	15 13·70	0·00	3·3321	·034	+0·001	44 23 36·8	0·0	19·665	·09	+0·03	3	8·45	44.10316
8308	9·2	15 17·80	...	3·3698	·041	...	48 57 44·0	...	19·667	·09	...	3	9·76	49.11720
8309	8·3*	15 23·28	−0·02	3·3011	·030	−0·006	41 30 10·0	−0·1	19·668	·08	−0·04	5	7·00	41. 9918
8310	9·5	15 34·52	...	3·3450	·037	...	46 39 37·6	...	19·671	·09	...	3	8·72	46.10530
8311	7·4	23 15 56·46	0·00	+3·3319	−0·035	0·000	−45 27 24·9	−0·1	+19·677	+0·08	−0·07	3	8·74	45.10416
8312	8·5*	16 11·68	+0·02	3·2984	·031	+0·005	41 41 29·7	+0·1	19·682	·08	+0·02	5	6·84	41. 9919
8313	9·2	16 20·19	−0·01	3·3233	·034	−0·007	44 45 6·4	0·0	19·684	·08	−0·03	3	8·56	44.10317
8314	7·8	16 28·99	0·00	3·3469	·038	+0·001	47 25 55·7	0·0	19·687	·08	+0·02	3	8·74	47. 9978
8315	9·3	16 39·72	...	3·3745	·043	...	50 16 3·5	...	19·689	·08	...	3	9·71	50.11805
8316	9·3	23 17 3·86	...	+3·3550	−0·040	...	−48 38 25·4	...	+19·696	+0·08	...	3	9·74	48.10876
8317	9·0*	17 8·45	0·00	3·3674	·042	+0·011	49 54 1·1	0·0	19·697	·08	−0·01	3	9·75	50.11807
8318	9·0	17 40·17	+0·02	3·2818	·029	+0·006	40 27 59·6	−0·4	19·706	·08	−0·13	5	7·02	40. 9829
8319	9·2	17 40·43	−0·01	3·3362	·038	−0·007	47 4 50·1	−0·1	19·706	·08	−0·04	3	8·65	47. 9983
8320	9·5	17 43·01	...	3·3278	·036	...	46 10 9·3	...	19·707	·08	...	3	8·73	46.10532

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8321	7·1	23 17 50·61	−0·02	+3·2936	−0·031	−0·006	−42 9 1·0	0·0	+19·709	+0·08	−0·01	12	7·16	42. 9565
8322	9·8	17 51·97	...	3·3306	·037	...	46 35 30·9	...	19·709	·08	...	3	8·78	46.10533
8323	7·0	18 16·47	0·00	3·3035	·033	−0·002	43 40 25·3	−0·1	19·715	·08	−0·03	5	7·53	43. 9738
8324	9·1	18 25·54	−0·02	3·2980	·032	−0·007	43 6 31·4	0·0	19·718	·08	−0·02	5	7·74	43. 9739
8325	9·3	18 26·38	0·00	3·3448	·040	−0·005	48 30 34·5	0·0	19·718	·08	+0·01	3	9·71	48.10879
8326	8·0	23 18 29·69	0·00	+3·3060	−0·033	−0·003	−44 8 57·0	0·0	+19·719	+0·08	−0·03	3	8·45	44.10324
8327	9·8	18 32·60	...	3·3723	·044	...	51 17 40·4	...	19·720	·08	...	3	9·76	51.11944
8328	9·8	18 50·42	...	3·3760	·045	...	51 49 41·0	...	19·724	·08	...	3	9·77	51.11946
8329	8·8	18 56·13	−0·01	3·3165	·035	−0·008	45 42 4·8	−0·1	19·726	·08	−0·08	3	8·72	45.10418
8330	9·6	18 57·43	..	3·2810	·030	...	41 13 47·3	...	19·726	·08	...	5	7·38	41. 9928
8331	8·8*	23 19 11·51	−0·01	+3·2915	−0·032	−0·002	−42 48 2·3	0·0	+19·730	+0·08	+0·01	5	6·84	42. 9567
8332	10·0	19 30·23	...	3·3062	·034	...	44 51 53·8	...	19·735	·08	...	2	8·76	45.10421
8333	9·8	19 43·35	...	3·3278	·038	...	47 32 48·2	...	19·738	·08	...	3	8·78	47. 9987
8334	8·2	19 47·05	−0·02	3·3009	·034	−0·013	44 24 24·7	0·0	19·739	·08	+0·01	3	8·54	44.10325
8335	9·5	19 53·03	...	3·3442	·041	...	49 26 35·9	...	19·741	·08	...	3	9·71	49.11731
8336	9·2	23 19 57·32	...	+3·2715	−0·029	...	−40 35 32·4	...	+19·742	+0·07	...	5	7·36	40. 9832
8337*	8·3*	20 12·81	−0·03	3·2910	·032	−0·008	43 26 55·6	−0·2	19·746	·07	−0·05	5	6·81	43. 9743
8338	9·2†	20 22·55	...	3·2657	·028	...	40 4 1·8	...	19·748	·07	...	5	7·03	40. 9834
8339	9·5	20 45·20	...	3·3094	·036	...	46 8 11·8	...	19·754	·07	...	3	8·64	46.10538
8340	8·9	21 0·71	+0·02	3·3124	·037	+0·017	46 41 43·5	0·0	19·757	·07	+0·01	3	8·63	46.10539
8341	8·1	23 21 12·70	0·00	+3·3290	−0·040	0·000	−48 44 49·6	0·0	+19·760	+0·07	+0·02	3	9·73	48.10884
8342	9·7	21 13·69	...	3·3593	·045	...	51 54 32·8	...	19·761	·07	...	3	9·76	52.12152
8343	9·0	21 19·06	−0·01	3·2675	·029	−0·005	41 0 2·7	−0·2	19·762	·07	−0·06	5	7·01	41. 9935
8344	8·5	21 27·10	−0·01	3·2836	·032	−0·003	43 21 25·9	−0·1	19·764	·07	−0·02	5	7·38	43. 9745
8345	6·0*	21 36·29	0·00	3·3447	·043	−0·001	50 42 27·4	0·0	19·766	·07	0·00	3	9·74	50.11818
8346	7·2	23 22 18·61	0·00	+3·3414	−0·043	−0·005	−50 53 38·8	0·0	+19·776	+0·07	−0·01	3	9·73	51.11957
8347	9·0	22 25·30	0·00	3·2849	·033	−0·003	44 15 13·7	−0·1	19·778	·07	−0·07	3	8·54	44.10326
8348	8·9†	22 28·41	...	3·2694	·030	...	42 7 30·2	...	19·779	·07	...	5	6·83	42. 9575
8349	8·2	23 2·37	0·00	3·3047	·037	−0·002	47 15 52·2	0·0	19·787	·07	−0·02	3	8·75	47. 9994
8350	9·0*	23 30·36	+0·03	3·2605	·030	+0·011	41 36 18·4	−0·3	19·793	·07	−0·08	5	6·83	41. 9937
8351	7·0	23 23 33·60	0·00	+3·2843	−0·034	−0·001	−45 2 54·9	−0·1	+19·794	+0·07	−0·04	6	8·70	45.10428
8352	8·3	23 35·65	0·00	3·3387	·044	+0·003	51 34 20·1	0·0	19·794	·07	+0·06	3	9·74	51.11962
8353	9·7	23 41·74	...	3·3255	·041	...	50 13 3·9	...	19·796	·07	...	3	9·76	50.11823
8354	8·4	23 56·12	0·00	3·3129	·039	−0·001	48 57 3·5	0·0	19·799	·07	−0·04	5	9·79	49.11740
8355	9·0	24 3·57	−0·01	3·2479	·028	−0·004	40 4 13·6	−0·2	19·801	·07	−0·07	5	7·20	40. 9843
8356	8·7	23 24 12·43	...	+3·2504	−0·028	...	−40 34 8·9	...	+19·803	+0·07	...	5	7·72	40. 9844
8357	9·6	24 15·02	...	3·2889	·035	...	46 12 23·3	...	19·803	·07	...	3	8·75	46.10542
8358	9·9	24 15·95	...	3·3153	·040	...	49 29 34·5	...	19·804	·07	...	3	9 81	49.11742
8359	8·0	24 22·33	0·00	3·2900	·036	+0·003	46 26 33·8	−0·2	19·805	·07	−0·15	3	8·63	46.10543
8360	9·0*	24 36·16	−0·03	3·2597	·030	−0·009	42 20 18·9	0·0	19·808	·07	0·00	5	6·83	42. 9578

8337. $8^m·9, 9^m·3$ 0″·8 180° Mass observed.

No.	Mag.	Mean R. A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession. 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8361	9·9	23 24 37·47	...	+3·2762	−0·033	...	−44 45 46·1	...	+19·809	+0·06	...	3	8·76	44.10329
8362	9·6	24 39·87	...	3·2639	·031	...	43 1 45·2	...	19·809	·06	...	5	7·73	43. 9747
8363	6·8*	25 10·34	−0·03	3·2580	·030	−0·010	42 32 16·9	−0·3	19·816	·06	−0·10	5	7·02	42. 9579
8364	9·3	25 10·53	0·00	3·3056	·039	−0·005	49 4 23·8	0·0	19·816	·06	−0·03	3	9·73	49.11743
8365	9·3	25 21·55	−0·01	3·2955	·038	−0·006	47 57 18·8	0·0	19·818	·06	0·00	3	8·72	48.10901
8366	6·5*	23 26 0·86	0·00	+3·2725	−0·034	0·000	−45 23 40·8	0·0	+19·827	+0·06	−0·02	3	8·63	45.10431
8367	7·7*	26 1·63	−0·01	3·2545	·031	−0·002	42 42 43·5	−0·2	19·827	·06	−0·05	5	6·79	42. 9582
8368	7·5*	26 25·72	0·00	3·2835	·036	+0·003	47 16 26·6	−0·1	19 832	·06	−0·05	3	8·62	47.10001
8369	9·5	26 29·88	0·00	3·2669	·033	+0·003	44 59 23·1	0·0	19·833	·06	0·00	3	8·78	45.10433
8370	9·1	26 34·77	−0·01	3·2785	·036	−0·007	46 42 38·1	0·0	19·834	·06	−0·03	3	8·78	46.10549
8371	8·0	23 26 39·06	0·00	+3·2604	−0·032	+0·002	−44 8 31·8	0·0	+19·835	+0·06	−0·01	3	8·77	44.10334
8372	9·2	26 52·83	0·00	3·2998	·040	+0·016	49 46 0·6	0·0	19·838	·06	−0·08	3	9·71	49.11747
8373	9·0*	26 53·66	−0·02	3·2549	·031	−0·005	43 29 40·2	+0·1	19·838	·06	+0·02	5	6·84	43. 9752
8374	7·9	27 4·03	0·00	3·3059	·042	0·000	50 40 3·9	0·0	19·840	·06	0·00	3	9·74	50.11829
8375	7·0	27 15·23	−0·01	3·2672	·034	−0·004	45 40 25·2	0·0	19·843	·06	+0·02	3	8·52	45.10435
8376	9·1	23 27 30·44	...	+3·2325	−0·028	...	−40 17 57·0	...	+19·846	+0·06	...	5	7·18	40. 9848
8377	8·0*	27 49·53	0·00	3·2371	·029	−0·001	41 23 50·7	0·0	19·850	·06	−0·01	5	6·82	41. 9941
8378	8·7	28 0·78	...	3·3069	·043	...	51 35 33·9	...	19·852	·06	...	3	9·71	51.11972
8379	8·2	28 7·89	0·00	3·2811	·038	−0·001	48 25 6·6	0·0	19·853	·06	−0·01	3	9·74	48.10908
8380	8·3	28 23·49	0·00	3·2531	·032	−0·003	44 31 24·2	−0·1	19·857	·06	−0·06	3:4	8·63:8·65	44.10340
8381	8·8	23 28 25·03	+0·01	+3·2638	−0·035	+0·007	−46 12 3·5	0·0	+19·857	+0·06	−0·01	3	8·64	46.10553
8382	9·0†	28 37·70	...	3·2351	·029	...	41 44 40·9	...	19·859	·06	...	5	6·83	41. 9942
8383	9·3	28 46·92	...	3·2973	·042	...	51 6 19·5	...	19·861	·06	...	3	9·76	51.11975
8384	9·4	29 14·95	0·00	3·2800	·039	−0·012	49 16 10·5	0·0	19·867	·06	+0·02	3	9·71	49.11752
8385	8·6	29 20·59	0·00	3·2746	·038	−0·002	48 36 56·4	0·0	19·868	·06	−0·02	3	9·74	48.10911
8386	8·5*	23 29 28·26	−0·01	+3·2358	−0·030	−0·004	−42 38 37·2	−0·1	+19·869	+0·05	−0·02	5	6·81	42. 9585
8387	4·8*	29 41·82	0·00	3·2376	·031	+0·001	43 10 5·2	−0·1	19·872	·05	−0·03	5	6·84	43. 9[illegible]3
8388	9·6	30 2·35	−0·02	3·2454	·033	−0·015	44 47 58·1	0·0	19·876	·05	0·00	3:4	8·73	44.10344
8389	8·3	30 8·57	+0·02	3·2617	·036	+0·014	47 29 22·9	−0·5	19·877	·05	−0·34	3	8·45	47.10013
8390	9·8	30 37·38	...	3·2776	·040	...	50 13 18·8	...	19·882	·05	...	3	9·74	50.11835
8391	8·7†	23 30 45·22	...	+3·2226	−0·029	...	−41 27 57·0	...	+19·884	+0·05	...	5	6·79	41. 9946
8392	9·5*	31 7·26	−0·03	3·2169	·028	−0·011	40 42 58·5	−0·2	19·888	·05	−0·05	5	6·86	40. 9851
8393	6·9*	31 10·42	0·00	3·2427	·033	+0·002	45 26 43·5	−0·1	19·889	·05	−0·04	3	8·45	45.10447
8394	9·1	31 15·36	...	3·2321	·031	...	43 41 14·1	...	19·889	·05	...	5	7·73	43. 9767
8395	9·0	31 26·05	0·00	3·2142	·027	+0·001	40 29 21·9	−0·3	19·891	·05	−0·13	5	7·41	40. 9852
8396	9·1	23 31 29·03	0·00	+3·2334	−0·032	+0·002	−44 9 6·8	−0·1	+19·892	+0·05	−0·06	3:4	8·74:8·73	44 10351
8397	9·7	31 36·79	...	3·2750	·041	...	50 49 54·8	...	19·893	·05	...	3	9·71	50.11837
8398	8·4	31 41·35	0·00	3·2238	·030	+0·001	42 36 25·5	0·0	19·894	·05	+0·02	5	7·58	42. 9592
8399	9·6	31 45·62	...	3·2165	·028	...	41 18 11·2	...	19·895	·05	...	5	7·57	41. 9950
8400	9·1	31 46·07	−0·03	3·2213	·029	−0·012	42 12 18·2	0·0	19·895	·05	+0·01	5	7·18	42. 9593

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8401	9·0	23 31 51·91	+0·01	+3·2419	−0·034	+0·008	−46 1 25·4	−0·3	+19·896	+0·05	−0·23	3	8·78	46.10563
8402	8·5	32 0·19	0·00	3·2334	·032	−0·001	44 40 32·3	0·0	19·897	·05	−0·01	3	8·75	44.10354
8403	9·3	32 8·11	+0·01	3·2452	·035	+0·005	46 50 39·3	0·0	19·899	·05	−0·01	3	8·55	46.10564
8404	9·3	32 36·49	...	3·2696	·041	...	51 3 42·0	...	19·904	·05	...	3	9·71	51.11987
8405	9·3	33 4·57	...	3·2547	·038	...	49 20 56·0	...	19·909	·05	...	3	9·74	49.11764
8406	9·5	23 33 8·23	0·00	+3·2494	−0·037	+0·001	−48 33 53·8	0·0	+19·909	+0·05	−0·04	3	9·76	48.10922
8407	9·4	33 16·98	0·00	3·2552	·039	−0·003	49 38 20·4	0·0	19·911	·05	−0·02	3	9·78	49.11766
8408	7·0	33 33·25	0·00	3·2326	·034	0·000	46 9 54·4	0·0	19·914	·05	−0·02	3:4	8·53:8·57	46.10570
8409	9·5	34 7·10	...	3·2149	·030	...	43 25 29·2	...	19·919	·04	...	5	7·72	43. 9770
8410	9·0	34 14·34	+0·01	3·2251	·033	+0·004	45 31 36·5	0·0	19·920	·04	−0·02	3	8·75	45.10455
8411	8·2	23 34 19·13	−0·01	+3·2590	−0·041	−0·019	−51 18 32·1	0·0	+19·921	+0·05	+0·04	3	9·71	51.11995
8412	9·4	34 22·47	...	3·2333	·035	...	47 10 9·4	...	19·922	·04	...	3	8·78	47.10025
8413	10·1	34 27·41	...	3·2523	·040	...	50 26 0·7	...	19·922	·04	...	3	9·78	50.11841
8414*	7·3	34 37·61	−0·01	3·2356	·036	−0·006	47 52 49·7	0·0	19·924	·04	−0·01	6	8·64	48.10929
8415	8·3*	35 2·86	−0·01	3·2116	·031	−0·003	43 48 52·1	−0·1	19·928	·04	−0·03	5	6·81	43. 9772
8416	8·9	23 35 6·96	0·00	+3·2434	−0·039	−0·008	−49 44 58·7	0·0	+19·929	+0·04	0·00	3	9·72	49.11773
8417	8·5	35 8·81	0·00	3·2040	·029	0·000	42 18 8·8	−0·1	19·929	·04	−0·03	5	7·02	42. 9599
8418	9·0	35 32·26	0·00	3·2119	·031	+0·001	44 25 46·7	+0·1	19·933	·04	+0·06	3:4	8·75:8·74	44.10359
8419	9·4	35 36·77	...	3·2159	·032	...	45 19 31·4	...	19·933	·04	...	3	8·73	45.10458
8420	10·0	35 56·10	...	3·2398	·039	...	50 5 33·8	...	19·936	·04	...	3	9·75	50.11845
8421	9·0	23 36 3·30	−0·02	+3·1934	−0·027	−0·007	−40 58 12·6	−0·1	+19·937	+0·04	−0·05	5	7·19	41. 9955
8422	9·0	36 8·83	...	3·1892	·026	...	40 4 31·9	...	19·938	·04	...	5	7·56	40. 9857
8423	9·3	36 14·29	−0·01	3·2032	·030	−0·004	43 24 23·7	0·0	19·939	·04	0·00	5	7·76	43. 9776
8424	8·0	36 16·06	0·00	3·2428	·040	−0·006	50 58 41·4	0·0	19·939	·04	−0·04	5	9·75	51.12008
8425	8·8	36 33·13	0·00	3·2305	·037	−0·001	49 11 48·7	0·0	19·942	·04	−0·01	3	9·85	49.10779
8426	9·4	23 36 33·86	0·00	+3·2284	−0·037	−0·004	−48 50 32·7	0·0	+19·942	+0·04	−0·01	3	9·83	48.10941
8427	7·2	36 38·47	0·00	3·1984	·029	−0·001	42 49 20·2	−0·2	19·943	·04	−0·06	8	7·22	42. 9603
8428	9·3	36 47·21	...	3·2065	·032	...	44 47 41·7	...	19·944	·04	...	3:4	8·73	44.10362
8429	9·2	37 6·21	...	3·2385	·041	...	51 15 13·8	...	19·947	·04	...	3	9·75	51.12012
8430	9·3	37 23·83	+0·01	3·1900	·028	+0·003	41 47 55·6	−0·5	19·949	·04	−0·17	5	6·99	41. 9958
8431	6·7*	23 37 46·64	−0·01	+3·2104	−0·034	−0·006	−46 52 2·7	0·0	+19·953	+0·04	+0·01	3	8·45	47.10031
8432	9·7	37 59·28	...	3·2129	·035	...	47 37 41·4	...	19·954	·04	...	3	8·77	47.10033
8433	8·0*	38 5·85	+0·02	3·1878	·028	+0·007	42 9 40·4	+0·1	19·955	·04	+0·03	5	6·84	42. 9604
8434	8·2	38 10·73	0·00	3·2344	·041	−0·005	51 54 13·8	0·0	19·956	·03	+0·04	3	9·72	52.12208
8435	9·5	38 30·83	+0·02	3·1923	·030	+0·008	43 48 6·0	0·0	19·959	·04	−0·01	5	7·37	43. 9779
8436	7·2	23 38 34·87	0·00	+3·2015	−0·033	−0·002	−46 0 57·0	−0·1	+19·959	+0·03	−0·08	4:5	8·73	46.10579
8437	9·0	38 36·15	...	3·1933	·030	...	44 9 19·7	...	19·959	·03	...	3	8·78	44.10364
8438	6·2*	38 39·76	+0·04	3·1994	·032	+0·027	45 38 17·0	0·0	19·960	·03	+0·02	3	8·55	45.10462
8439	9·3	38 50·67	...	3·1776	·026	...	40 32 3·1	...	19·961	·03	...	5	7·75	40. 9862
8440	7·5*	38 54·24	−0·01	3·1800	·027	−0·002	41 14 26·9	0·0	19·962	·03	0·00	5	7·18	41. 9961

8414. $7^m·4$, $10^m·4$ 2″·1 66° Mass observed.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890+	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			′
8441	7·5	23 38 58·08	−0·01	+3·1889	−0·030	−0·003	−43 34 50·7	+0·1	+19·962	+0·03	+0·04	5	7·05	43 9780
8442	9·8	39 35·54	...	3·2218	·040	...	51 30 40·9	...	19·967	·03	...	3	9·73	51.12015
8443	9·0	39 35·99	−0·01	3·2038	·035	−0·008	47 53 53·4	−0·1	19·967	·03	−0·09	3:4	8·55:8·59	48 10948
8444	8·7	39 39·65	0·00	3·2060	·036	0·000	48 27 29·4	0·0	19·968	·03	−0·05	3	9·76	48 10949
8445	9·5	40 20·12	0·00	3·2052	·037	−0·013	49 13 53·9	0·0	19·973	·03	−0·06	3	9·81	49.11788
8446	9·2	23 40 27·37	...	+3·1870	−0·032	...	−45 12 15·9	...	+19·974	+0·03	...	3	8·73	45.10469
8447	8·0	40 32·96	0·00	3·1915	·033	0·000	46 26 57·3	−0·1	19·975	·03	−0·07	3	8·55	46.10581
8448	8·4†	40 34·59	...	3·1729	·027	...	41 38 1·2	...	19·975	·03	...	5	6·85	41. 9965
8449	8·0*	40 36·07	−0·01	3·1773	·029	−0·002	42 53 47·3	−0·2	19·975	·03	−0·05	5	6·80	43. 9783
8450	9·0	40 44·18	...	3·1675	·026	...	40 18 12·5	...	19·976	·03	...	5	7·20	40. 9868
8451	6·5	23 40 44·69	+0·01	+3·1689	−0·026	+0·006	−40 44 13·3	−0·1	+19·976	+0·03	−0·04	5	7·74	40. 9867
8452	9·1	40 49·31	0·00	3·2079	·039	−0·002	50 29 38·8	0·0	19·977	·03	−0·01	3	9·72	50.11852
8453	9·2	41 8·28	0·00	3·1778	·030	+0·002	43 48 33·5	+0·1	19·979	·03	+0·06	5	7·75	43. 9785
8454	8·9	41 13·57	0·00	3·2004	·037	−0·008	49 30 51·1	0·0	19·980	·03	+0·06	3	9·75	49.11790
8455*	8·5	41 27·16	...	3·1827	·032	...	45 36 46·5	...	19·981	·03	...	3	8·55	45.10474
8456	8·5*	23 41 37·45	0·00	+3·1702	−0·028	0·000	−42 25 11·1	0·0	+19·982	+0·03	0·00	5	6·82	42. 9608
8457	9·5	41 40·32	...	3·1661	·027	...	41 16 7·4	...	19·983	·03	...	5	7·02	41. 9968
8458	5·0*	41 57·63	0·00	3·2011	·039	−0·002	50 46 53·1	0·0	19·985	·03	−0·02	3	9·72	50.11858
8459	9·5	41 59·45	...	3·1859	·034	...	47 16 5·6	...	19·985	·03	...	3:4	8·74:8·73	47.10039
8460	9·0*	42 5·66	...	3·1973	·038	...	50 9 44·5	...	19·986	·03	...	3	9·81	50.11859
8461	6·9*	23 42 7·24	−0·01	+3·1914	−0·036	−0·044	−48 49 31·4	−0·1	+19·986	+0·03	−0·23	3	9·75	48.10958
8462	8·5*	42 19·36	0·00	3·1786	·032	0·000	45 53 3·4	0·0	19·987	·03	−0·03	3	8·45	46.10582
8463	9·5	42 23·57	...	3·1718	·030	...	44 8 40·8	...	19·988	·03	...	3	8·74	44.10371
8464*	6·5	42 49·46	0·00	3·1979	·040	−0·013	51 26 44·3	0·0	19·991	·03	−0·02	3	9·74	51.12031
8465	9·1	43 12·15	0·00	3·1697	·031	+0·001	44 50 28·3	0·0	19·993	·03	−0·02	3:4	8·74:8·73	44.10372
8466	9·5	23 43 27·69	...	+3·1646	−0·029	...	−43 45 38·2	...	+19·995	+0·02	...	5	7·01	43. 9787
8467	7·0	43 31·35	0·00	3·1798	·035	−0·001	48 12 20·9	0·0	19·995	·02	0·00	3	9·77	48.10961
8468	7·3	43 39·68	0·00	3·1758	·034	−0·002	47 23 53·5	0·0	19·996	·02	+0·01	3	8·55	47.10041
8469	8·7	43 53·46	0·00	3·1920	·040	−0·005	51 52 25·7	0·0	19·997	·02	−0·05	5	9·78	52.12217
8470	8·5	43 56·10	0·00	3·1580	·028	0·000	42 27 44·6	−0·1	19·998	·02	−0·03	5	7·01	42. 9613
8471	8·5	23 43 59·84	0·00	+3·1747	−0·034	+0·004	−47 40 57·1	0·0	+19·998	+0·02	+0·01	3	8·76	47.10040
8472	9·1	44 17·08	0·00	3·1517	·026	0·000	40 55 55·9	0·0	20·000	·02	−0·02	5	7·72	41. 9971
8473	9·7	44 18·26	...	3·1644	·031	...	45 10 39·9	...	20·000	·02	...	3:4	8·74:8·73	45.10479
8474	9·8	44 18·65	...	3·1845	·038	...	50 49 2·8	...	20·000	·02	...	3	9·76	50.11862
8475	9·6	44 21·89	...	3·1679	·032	...	46 22 55·3	...	20·000	·02	...	3	8·79	46.10590
8476	8·5	23 44 25·57	0·00	+3·1753	−0·035	+0·003	−48 38 11·9	0·0	+20·001	+0·02	−0·02	3	9·77	48.10963
8477	10·0	44 52·82	...	3·1762	·037	...	49 41 40·5	...	20·003	·02	...	3	9·82	49.11805
8478	9·0†	45 17·82	...	3·1492	·027	...	41 54 50·4	...	20·006	·02	...	5	6·81	42. 9619
8479	7·0	45 20·39	−0·01	3·1670	·034	−0·004	47 56 1·7	0·0	20·006	·02	+0·02	3:4	8·55:8·59	48.10967
8480	8·7	45 29·68	...	3·1773	·039	...	51 10 9·8	...	20·007	·02	...	3	9·72	51.12041

8455. $9^m·2$, $9^m·4$ 2″·5 167° Mass observed.

8464. $6^m·5$, $11^m·5$ 3″·4 123° Fainter star probably not seen.

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8481	7·0	23 45 45·70	0·00	+3·1685	−0·036	−0·008	−49 12 54·4	0·0	+20·008	+0·02	−0·01	3	9·77	49.11808
8482	9·3	45 58·70	...	3·1419	·025	...	40 25 18·6	...	20·009	·02	..	5	7·74	40. 9886
8483	8·8	46 5·25	−0·01	3·1510	·029	−0·006	44 8 23·2	−0·1	20·010	·02	−0·08	3	8·73	44.10375
8484	7·5*	46 13·14	0·00	3·1454	·027	−0·001	42 19 43·2	−0·1	20·011	·02	−0·03	5	6·86	42. 9625
8485	7·0	46 30·18	−0·01	3·1416	·026	−0·003	41 22 56·1	−0·3	20·012	·02	−0·09	5	7·01	41. 9982
8486	7·5	23 46 33·12	0·00	+3·1460	−0·028	0·000	−43 13 45·6	0·0	+20·012	+0·02	−0·02	5	7·58	43. 9795
8487	9·3	46 36·79	0·00	3·1505	·030	0·000	45 3 41·8	+0·1	20·013	·02	+0·04	3	8·65	45.10481
8488	8·8	47 5·70	−0·01	3·1521	·032	−0·005	46 41 2·8	−0·2	20·015	·02	−0·13	3	8·73	46.10596
8489	9·0	47 12·14	...	3·1492	·031	...	45 51 42·0	...	20·016	·02	...	3	8·77	46.10597
8490	8·8	47 12·91	0·00	3·1560	·034	−0·005	48 18 45·0	0·0	20·016	·02	−0·02	3	9·72	48.10971
8491	9·0*	23 47 49·55	−0·01	+3·1330	−0·025	−0·004	−40 34 13·4	−0·4	+20·019	+0·02	−0·13	5	6·81	40. 9889
8492	9·5	47 56·82	−0·01	3·1401	·029	−0·005	43 58 19·5	−0·1	20·019	·02	−0·03	5	7·21	44.10377
8493	9·1	48 5·55	+0·01	3·1329	·026	+0·003	41 8 11·1	−0·1	20·020	·01	−0·06	5	7·73	41. 9984
8494	9·3	48 12·69	0·00	3·1415	·030	+0·002	45 12 21·6	+0·1	20·020	·01	+0·05	3:4	8·65:8·66	45.10485
8495	7·9	48 25·63	0·00	3·1526	·036	+0·007	49 59 21·1	0·0	20·021	·01	+0·01	3	9·72	50.11873
8496	9·0	23 48 35·69	0·00	+3·1531	−0·037	+0 003	−50 33 24·4	0·0	+20·022	+0·01	+0·04	3	9·75	50.11876
8497	9·0	48 39·24	...	3·1401	·031	...	45 40 43·0	...	20·022	·01	...	3	8·75	45.10488
8498	8·6	48 39·58	+0·01	3·1441	·033	+0·005	47 23 12·1	−0·1	20·022	·01	−0·08	3	8·78	47.10052
8499	9·5	48 42·72	0·00	3·1471	·034	+0·002	48 40 28·8	0·0	20·023	·01	−0·02	3	9·80	48.10976
8500	9·7	49 10·22	...	3·1216	·029	. .	44 29 39·1	...	20·024	·01	...	3	8·80	44.10379
8501	9·0*	23 49 22·23	−0·02	+3·1309	−0·028	−0·006	−43 23 37·0	−0·1	+20·025	+0·01	−0·03	5	6·84	43. 9800
8502	9·1	49 23·37	0·00	3·1375	·032	−0·003	46 28 20·0	−0·1	20·025	·01	−0·09	3:4	8·74:8·73	46.10602
8503	8·6	49 40·74	+0·02	3·1275	·027	+0·008	42 33 9·5	0·0	20·026	·01	+0·02	5	7·75	42. 9631
8504	8·8	50 13·41	+0·01	3·1207	·025	+0·005	40 19 15·1	−0·1	20·029	·01	−0·05	5	7·77	40. 9892
8505	8·3	50 16·19	0·00	3·1231	·026	0·000	41 49 9·3	−0·2	20·029	·01	−0·08	5	7·05	41. 9986
8506	9·6	23 50 19·77	...	+3·1339	−0·033	...	−47 32 43·0	...	+20·029	+0·01	...	3:4	8·65:8·67	47.10039
8507	9·6	50 40·94	...	3·1412	·038	...	51 44 49·3	...	20·030	·01	...	3	9·73	51.12050
8508	10·0	50 47·55	...	3·1338	·034	...	48 52 55·4	...	20·031	·01	...	3	9·79	49.11823
8509	8·0*	50 47·98	+0·04	3·1231	·028	+0·011	43 24 15·2	−0·3	20·031	·01	−0·08	5	6·81	43. 9802
8510	9·8	51 5·76	...	3·1326	·035	...	49 16 53·6	...	20·032	·01	...	2	9·85	49.11825
8511	9·0	23 51 9·32	...	+3·1279	−0·032	...	−47 7 36·1	...	+20·032	+0·01	...	3	8·74	47.10064
8512	9·0	51 13·80	0·00	3·1230	·029	−0·001	44 45 3·0	0·0	20·032	·01	0·00	3	8·78	44.10383
8513	9·0	51 20·07	−0·01	3·1209	·028	−0·004	43 50 46·8	−0·2	20·032	·01	−0·08	5	7·19	43. 9803
8514	9·0	51 26·36	...	3·1227	·030	...	45 16 25·1	...	20·033	·01	...	3:4	8·65:8·67	45.10495
8515	7·5*	51 31·09	0·00	3·1180	·027	0·000	42 45 2·5	−0·2	20·033	·01	−0·07	5	7·39	42. 9636
8516	7·6	23 52 7·87	+0·01	+3·1209	−0·031	+0·009	−46 40 3·8	0·0	+20·035	+0·01	+0·02	3	8·76	46.10606
8517	8·8	52 11·56	+0·01	3·1147	·027	+0·004	43 0 4·8	0·0	20·035	·01	0·00	5	7·75	43. 9805
8518	9·0	52 17·45	...	3·1192	·031	...	46 9 57 9	...	20·036	·01	...	3	8·65	46.10607
8519	9·4	52 19·62	0·00	3·1224	·033	+0·004	48 14 18·0	0·0	20·036	·01	+0·01	4	9·78	48.10987
8520	9·5*	52 32·65	−0·01	3·1094	·025	−0·003	40 29 31·7	−0·1	20·036	·01	−0·04	5	6·81	40. 9897

No.	Mag.	Mean R.A. 1900·0.	μ_α to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Mean Dec. 1900·0.	μ_δ to 1900·0.	Precession 1900·0.	Sec. Var.	Proper Motion.	Obs.	Epoch 1890 +	C. P. D.
		h m s	s	s	s	s	° ′ ″	″	″	″	″			°
8521	8·4	23 52 35·86	0·00	+3·1237	−0·035	−0·004	−49 57 24·7	0·0	+20·036	+0·01	+0·02	5	9·77	50.11889
8522	9·6	52 50·18	0·00	3·1198	·034	+0·002	48 40 9·3	0·0	20·037	·01	+0·02	3	9·86	48.10988
8523	8·0	53 4·69	0·00	3·1216	·036	+0·008	50 41 12·9	0·0	20·038	·00	−0·04	3	9·81	50.11890
8524	8·8	53 13·85	0·00	3·1111	·029	+0·001	44 29 18·7	−0·1	20·038	·00	−0·07	3:4	8·66:8·67	44.10389
8525	9·3	53 13·87	0·00	3·1219	·037	+0·008	51 27 53·6	0·0	20·038	·00	−0·01	3	9·79	51.12056
8526	6·6*	23 54 0·04	0·00	+3·1047	−0·027	0·000	−42 47 40·4	−0·1	+20·040	0 00	−0·03	5	6·80	42. 9644
8527	10·0	54 0·37	...	3·1079	·030	...	45 27 2·6	...	20·040	·00	...	3	8·76	45.10502
8528	9·5	54 8·41	−0·02	3·1011	·024	−0·006	40 3 25·9	−0·4	20·040	·00	−0 16	5	7·23	40. 9899
8529	9·4	54 22·67	...	3·1013	·025	...	41 29 53·9	...	20·041	·00	...	5	7·76	41. 9990
8530	8·9	54 29·51	0·00	3·1112	·035	−0·003	50 23 19·2	−0·1	20·041	·00	−0·42	3	9·73	50.11891
8531	9·5	23 54 33·37	...	+3·1073	−0·032	...	−47 51 39·0	...	+20·041	0·00	...	3:4	8·67	48.10990
8532	7·8	54 36·46	0·00	3·1120	·037	−0·005	51 33 17·3	0·0	20·041	·00	−0·04	3	9·79	51.12063
8533	9·5	54 40·90	0·00	3·1063	·032	−0·002	47 35 14·2	−0·1	20·041	·00	−0·11	3	8·80	47 10071
8534	8·9	54 52·80	...	3·1036	·030	...	46 19 7·7	...	20·042	·00	...	3	8·78	46.10611
8535	8·6	55 7·94	0·00	3·1060	·035	−0·001	49 54 33·0	0·0	20·042	·00	+0·02	4	9·85	50.11892
8536	6·5	23 55 9·80	0·00	+3·1003	−0·029	+0·004	−44 50 39·4	−0·1	+20·042	0·00	−0·10	3	8·76	44.10394
8537	9·3	55 10·85	...	3·0975	·026	...	41 51 5·2	...	20·042	·00	...	5	7·21	41. 9992
8538	8·5	55 12·37	−0·02	3·0993	·028	−0·006	43 55 6·5	0 0	20·042	·00	0·00	7	7·27	44 10395
8539	8·0	55 23·98	−0·02	3·0958	·025	−0·009	41 14 49·2	−0·1	20·043	·00	−0·05	5	7·58	41. 9995
8540	8·3	55 34·64	−0·01	3·0990	·030	−0·005	45 58 45·8	0·0	20·043	·00	−0·03	3:4	8·67:8·68	46.10614
8541	9·1	23 55 53·11	+0·01	+3·0948	−0·027	+0·005	−43 7 41 8	0·0	+20·044	0·00	+0·01	5	7·81	43. 9809
8542	6·0*	55 56·41	0·00	3·1000	·034	−0·003	49 21 59 6	0·0	20·044	·00	0·00	3	9·73	49.11840
8543	9·8	56 8·67	0·00	3·0976	·032	−0·008	48 21 2·7	0·0	20·044	00	+0·01	3	9·79	48.10995
8544	5·8*	56 11·76	0·00	3·0996	·036	−0·006	50 53 40·3	0·0	20·044	00	+0·01	3	9·85	51.12068
8545	9·6	56 24·66	...	3·0937	·029	...	45 38 27·5	...	20·044	·00	...	3	8·74	45.10505
8546	7·0	23 56 33·49	0·00	+3·0895	−0·024	+0·001	−40 42 18·3	−0·1	+20·045	0·00	−0·03	5	7·01	40. 9909
8547	9·4	56 40·39	0·00	3·0948	·033	+0·009	49 7 9·6	0·0	20·045	·00	−0·02	3	9·73	49.11843
8548	7·5*	56 47·81	+0·01	3·0892	·026	+0·003	42 10 12·5	−0·1	20·045	·00	−0·04	5	7·75	42. 9656
8549	8·5	57 27·06	0·00	3·0869	·028	+0·002	44 30 16·6	0·0	20·046	·00	−0·03	3:4	8·65:8·66	44.10397
8550	8·5	57 39·45	+0·01	3·0844	·025	+0·002	41 32 22·2	−0·1	20·046	·00	−0·03	5	7·01	41.10001
8551	8·5	23 57 49·70	0·00	+3·0829	−0·024	0·000	−40 4 59·9	−0·1	+20·046	0·00	−0·04	12:13	7·33:7·37	40. 9911
8552	10·0	58 48·69	...	3·0806	·034	...	50 20 8·6	...	20·047	− ·01	...	3	9·76	50.11901
8553	9·3	58 49·39	...	3·0789	·027	...	43 44 42·4	...	20·047	·01	...	5	6·99	43. 9810
8554*	7·9*	58 51·19	0·00	3·0799	·032	+0·001	48 40 55·6	0·0	20·047	·01	0·00	3	9·76	48.11008
8555	9·4	59 9·24	...	3·0773	·029	...	45 22 15 0	...	20·047	·01	...	3:4	8·74	45.10513
8556	9·4	23 59 15·73	...	+3·0770	−0·031	...	−47 37 33·3	...	+20·047	−0·01	...	3	8·69	47.10077
8557	9·4	59 29·16	...	3·0753	·028	...	44 51 36·3	...	20·047	·01	...	3	8·90	45.10515
8558	9·3	59 33·99	+0·01	3·0746	·026	+0·002	42 35 48·6	+0·2	20·047	·01	+0·06	5	7·40	42. 9661
8559	9·5	59 41·56	...	3·0738	·024	...	41 27 18·5	...	20·047	·01	...	5	7·20	41.10004
8560	9·5	59 52·48	0·00	3·0732	·032	0·000	48 18 16·4	0·0	20·047	·01	−0·09	3	9·74	48.11010

8554. $8^m·2, 9^m·6$ 2″·6 68° Mass observed.

CAPE CATALOGUE, 1900.—APPENDIX 1.

COMPARISON OF CATALOGUES

AND

DETERMINATION OF PROPER MOTION.

t = Madras, 1835.	Z = Cordoba Lones.
40 = Cape, 1840.	Ms = Madras, 1875.
50 = „ 1850.	80 = Cape, 1880.
60 = „ 1860.	*m* = Melbourne, 1880.
65 = „ 1865.	85 = Cape, 1885.
M = Melbourne, 1870.	90 = „ 1890.
G = Argentine General.	

CAPE 1900—MADRAS 1835.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		h	s	″
11†	8·	58·56	− 1·02	+ 1·0
25*	4·0	66·98 66·91	+ 0·56	−11·1
28†	7·5	60·02 60·01	− 0·52	+ 2·0
38*	6·5	58·42	− 0·71	− 3·6
48	7·0	60·98	− 0·75	− 0·4
78	6·5	59·09	+ 0·13	+ 1·5
110*	7·0	60·98	+ 2·94	−15·2
119‡	4·0	66·84 66·30	+ 0·30	+ 3·7
131	6·5	59·99 60·41	+ 0·42	+ 0·8
138	7·0	59·53 59·92	− 0·30	− 0·4
142	6·5	60·11 59·99	− 0·18	+ 2·1
143	6·5	58·37	− 0·26	− 3·2
144	5·8	60·96	+ 0·36	− 5·0
165	7·0	58·18 58·27	− 0·03	+ 2·7
173	5·8	60·92 60·95	− 0·24	− 6·6
197	6·5	59·87	− 0·36	+ 1·8
201†	8·3	56·84 56·52	− 0·52	− 0·3
203†	5·0	63·81 63·39	− 0·49	+ 0·3
225*	6·5	59·04 58·91	− 0·83	− 5·4
228	7·5	60·99 61·01	− 0·07	+ 0·3
235	6·0	61·01 61·02	+ 0·66	+ 6·2
246*	6·6	59·91	− 0·71	+ 3·4
253	7·0	58·66 58·45	− 0·29	+ 1·0
262	5·5	60·93	− 0·10	+ 3·5
269	7·2	62·91 63·77	+ 0·08	+ 2·0
		1h		
347	4·0	64·94 66·88	− 0·42	+ 3·2
355*	7·0	58·04 58·03	+ 0·52	− 5·1
418†	7·0	57·87	− 0·36	+ 1·0
440	6·5	60·92 60·87	+ 0·27	+ 2·8
446*	7·0	58·39 58·40	− 0·44	− 3·6
452	7·0	60·74 60·58	− 0·23	− 0·7
484*	4·0	63·55 63·94	+ 0·73	+11·2
485	7·4	61·02	− 0·60	− 2·9
487†	6·0	59·98	− 0·57	+ 1·6
504*	7·8	57·98 57·82	+ 0·77	+ 6·3
516	7·0	60·65	− 0·38	+ 1·8
522	7·3	57·96 57·68	0·00	+ 0·8
526†	7·0	58·23	− 0·78	− 0·6
542	7·1	60·81	− 0·59	+ 0·3
557	8·4	61·02 61·01	− 0·02	+ 2·8
564	6·0	60·86	− 0·23	− 0·4
571	6·5	58·23	− 0·25	+ 2·3
587	6·0	61·77	+ 0·34	+ 4·2
592	6·5	61·45 63·06	− 0·10	+ 0·1
598†	8·0	59·92 59·93	− 0·70	− 0·6
607*	4·5	60·02	− 0·84	− 4·0
609†	5·5	65·04 64·77	− 0·59	− 2·4
629†	5·0	60·77 60·51	+ 0·43	+ 3·0
632†	7·0	61·15 61·92	+ 0·35	+ 1·0
642*	6·0	63·40 63·28	− 0·26	− 5·6
652	5·7	64·47 62·66	− 0·28	− 3·0
		2h		
673	8·0	61·63 61·55	− 0·10	+ 4·1
685	6·5	61·07 62·39	− 0·25	− 1·1
695	6·5	62·31 62·30	+ 0·04	− 0·2
698	6·5	62·79 63·52	+ 0·39	+ 0·8
701*	6·5	59·45 58·66	+13·51	+41·2
728‡	7·0	60·41 60·12	+ 0·06	+ 3·3
754	8·0	57·98 57·99	− 0·16	+ 1·4
766*	6·8	62·07 62·60	+ 0·51	+ 5·6
774	6·0	60·69	− 0·46	+ 5·2
780*	6·0	61·17 62·19	+ 1·30	+ 8·7
781	7·5	58·90	+ 0·02	+ 2·3
795	4·0	64·45 65·26	− 0·09	− 0·7
802	7·8	59·08	− 0·13	− 1·5
823	7·7	60·64	− 0·55	+ 0·1
835	6·5	61·29 61·28	− 0·52	+ 0·9
865†	5·0	65·50 65·96	+ 0·45	− 2·6
869	4·5	64·24 65·21	+ 0·31	0·0
884*	5·5	60·77	+ 1·54	+14·3
888	6·5	61·59 63·19	+ 0·08	+ 2·2
901	7·0	60·91	− 0·26	− 0·1
902‡	7·0	59·85 59·56	− 0·16	− 3·6
927†	6·7	62·58 63·59	+ 0·45	+ 1·4
941	6·5	59·10 59·09	+ 0·05	− 1·4
982	7·2	58·92	− 0·31	+ 1·1
995†	7·5	60·01	− 0·76	+ 2·2
		3h		
1010	7·5	61·76	+ 0·31	+ 6·3
1040	6·5	60·58 60·12	− 0·12	− 0·3
1048	6·5	61·71 61·84	+ 0·42	− 0·2
1049†	8·1	59·97	− 0·70	− 2·5
1054†	7·0	57·97	− 0·47	+ 0·8
1066†	8·0	58·57	− 0·38	+ 2·5
1079	6·5	61·65	− 0·27	+ 5·9
1087*	4·5	63·19 62·52	+17·47	+48·4
1100	6·5	61·76	+ 0·13	− 0·6
1107†	8·0	58·42 58 57	− 0·40	+ 1·8
1115†	7·3	59·49 59·50	− 0·42	− 0·5
1122	6·5	60 67 60·68	− 0·47	+ 2·2
1139	7·3	60 96 61·13	+ 0·07	+ 2·7
1153	6·0	60·86	+ 0·15	+ 1·7
1167	6·0	61·84 61·85	− 0·03	+ 6·6
1181	7·1	64·05 64·26	+ 0·09	+ 1·8
1188	4·8	64·19 64·84	− 0·06	+ 0·3
1212	7·3	61·54 61·97	− 0·11	0·0
1221	6·7	60·87	− 0·49	+ 1·7
1232‡	6·5	59 30 59 37	+ 0·15	− 5·0
1238	6·8	59·39 60·50	+ 0·02	− 3·8
1239	5·8	60·21 60 22	− 0·27	+ 1·6
1267†	7·2	59·66 59·59	− 0·44	− 1·0
1282	8·3	60·57	− 0·29	+ 2·2
1291‡	7·3	58·98 58 99	− 0·11	+ 4·2
1292	7·3	59 97 59·96	0·00	− 0·7
1295	6·0	62·66 62·70	− 0·03	− 0·4
1297	7·3	60·30	− 0·43	− 0·2
1308*	7·5	60·63 60·64	− 1·21	− 8·0
1322	7·0	61·46	− 0·12	+ 0·8
1345	8·0	61·47 61·48	− 0·10	+ 3·1
		4h		
1351	7·8	60·02	− 0·57	+ 1·3
1368	7·0	60 61 60·60	0·00	+ 2·5
1373†	8·0	59·13	− 0·46	+ 2·6
1379†	7·0	60·26	− 0·61	+ 2·6
1399	7·0	63·50 64·26	0·00	+ 2·5
1406	6·5	58·99	− 0·21	+ 0·8
1410‡	4·0	65·23 65·63	+ 0·06	−13·4
1441	5·5	62·43 63·42	+ 0·09	− 1·8
1468	7·3	60·22	− 0·37	+ 1·3
1469	8·3	60·54	− 0·25	+ 0·7
1474‡	7·0	63·59 64·29	− 0·12	+ 6·0
1480	7·7	60·60 60·61	− 0·25	+ 0·2
1490‡	6·5	60·81	+ 0·13	−14·7

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MADRAS 1835.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
1496	7·3	59·11	− 0·26	+ 2·1
1500	7·0	59·94	− 0·11	+ 3·5
1509	5·5	65·38 65·61	− 0·04	+ 0 7
1541‡	6·5	62·85 64·73	0·00	+ 5·3
1561	7·0	60·98	− 0·36	+ 1·7
1568	7·5	61·13	− 0·74	− 0·2
1574	5·5	60·96	− 0·43	+ 5·1
1578	7·0	62·85 62·90	− 0·12	+ 2·4
1583‡	7 5	60·56 60·40	− 0·11	+16·7
1600*	8·3	58·66	− 0·51	− 4·0
1607	7·0	63·84 64·66	+ 0·13	+ 2·4
1632	6·8	61·28	− 0·27	+ 2·4
1633	7·6	59·97	− 0·24	+ 1·7
1667	7·3	60·96 60·95	− 0·04	+ 1·1
			5h	
1693	6·0	60·60 60·37	− 0·48	+ 1·0
1721*	7·3	58·29	− 0·60	+18·1
1726	7·6	60·08	− 0·23	+ 0·7
1727‡	7·6	62·88 63·66	+ 0·03	+ 8·9
1746	7·8	60·55 61·06	− 0·39	− 2·4
1769	7·9	60·97 60·96	− 0·25	− 5·5
1774	8·0	61·01 60·98	− 0·07	− 0·4
1789	7·4	59·91	− 0·34	+ 2·1
1798	8·3	61·01	− 0·63	+ 4·3
1801†	8·3	59·97	− 0·73	+ 1·2
1804	7·2	61·03	+ 0·05	+ 2·9
1815	7·5	61·05 61 06	− 0·37	+ 1·6
1821†	6·8	63·72 63·74	− 0·60	− 1·0
1833	8·0	59·97	− 0·21	+ 4·3
1853	7·1	60·03	− 0·01	− 0·4
1887	7·0	60·00 59·99	− 0·63	+ 0·2
1938	7·0	63·67 61·86	+ 0·19	+ 6·1
1939	8·1	60·96	− 0·44	+ 4·4
1950†	6 8	59·98	− 0·88	+ 1·6
1956	7·0	60·11 59·56	− 0·20	− 0·5
1970†	7·9	59·57	− 0·51	+ 2·1
1982	7·0	59·00	− 0·11	+ 3·2
1994	7·5	59·60	− 0·36	− 0·5
2004	6·5	61·01 61·00	− 0·35	+ 2·7
1027	7·5	61·01 61·00	− 0·39	+ 2·1
			6h	
2059	7·9	60·97	− 0·13	+ 2·7
2062	7·0	60·42 60·43	− 0·84	− 1·8
2066	7·8	59·95	− 0·18	− 2·4
2069	7·4	63·73 63·79	+ 0·22	+ 3·7

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
2071†	7·6	59·61	− 0·67	− 0·1
2077	6·0	61·53 62·26	− 0·24	+ 0·6
2078	7·3	63·69 63·77	− 0·25	+ 1·7
2079	8·5	60·04	− 0·40	+ 0·5
2089†	7·5	58·76 58·80	− 0·73	+ 2·8
2092	6·0	62·21 62·06	− 0·03	+ 4·3
2096†	6·5	62·93 63·69	− 0·67	+ 0·9
2104†	7·5	58·20	− 0·73	+ 1·4
2117	7·3	60·13 60 00	− 0·26	− 0·6
2125	9·0	56·93	− 0·36	+ 1·8
2147	7·0	60·93 60·94	− 0·18	+ 2·7
2201‡	8·0	62·73 62·71	− 0·02	+ 5·8
2207	8·0	58·29	− 0·34	+ 1·8
2226	6·0	61·04 61·05	+ 0·38	+ 6·4
2229	7·6	59·93	− 0·13	− 0·5
2240	7·9	59·72 59·73	− 0·36	+ 0·5
2244	7·6	58·66 58·64	− 0·30	− 2·1
2258*	7·4	61·06	+ 0·04	+ 9·5
2259	7·0	57·60 57·48	− 0·37	+ 0·7
2269	7·1	60·61	− 0·80	+ 3·8
2277	7·5	58·20	− 0·53	+ 3·4
2285	8·3	58·53 58 86	− 0·36	− 0·5
2286	7·3	59·70 59·92	− 0·36	+ 2·6
2315	7·5	59·73	− 0·31	+ 0·6
2323	7·5	59·63	− 0·30	+ 1·3
2331‡	7·5	57·75 57·98	− 0·32	+ 6·9
2348	3·0	66·76 67·46	− 0·07	− 4·7
2351	7·5	58·38 58·39	− 0·36	+ 3·4
2357	7·8	60·91 60·92	+ 0·22	+ 3·7
2359	7·7	58·39	− 0·39	0·0
2364	7·5	58·74	− 0·38	+ 1·8
2371	6·5	61·83 61·87	+ 0·15	+ 2·8
2375*	7·3	61·06	− 0·71	+13·4
2385	5·5	60·77	− 0·33	+ 2·1
2387	8·0	60·90 60·89	− 0·16	+ 1·4
2388	8·4	61·06	− 0·64	+ 2·2
2407‡	7·0	58·15	+ 0·10	+ 6·5
2412	7·3	60·75 60·97	− 0·20	− 1·1
2417	7·1	60·96	− 0·12	+ 2·2
2421	7·0	62·45 62·52	− 0·05	− 1·3
2422	7·5	58·71	− 0·14	+ 0·3
			7h	
2442	7·0	61·63 61·94	− 0·24	+ 2·7
2458	6·5	60·94	− 0·68	+ 3·2

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
2471†	8·5	58·34	− 0·70	+ 0·7
2490*	5·0	65·38 65·44	− 1·03	+ 7·4
2497‡	5·5	65·61 66·51	− 0·22	− 5·6
2500*	5·7	63·99 63·77	+ 0·92	+20·6
2509	6·5	59·92	− 0·45	− 0·1
2524‡	7·5	58·71	− 0·39	+35·2
2530	7·8	60·77 60·76	− 0·28	− 8·3
2534	7·8	59·74	− 0·70	+ 2·4
2535	7·0	60·58	− 0·60	+ 8·5
2577	5·5	61·03	− 0·46	+ 1·8
2605	7·1	61·06	− 0·42	+ 2·6
2608	7·6	60·82 61·08	− 0·86	− 0·8
2616	7·0	58·08	− 0·40	− 1·7
2624	7·0	61·03	− 0·51	+ 1·1
2625	8·0	59·02	− 0·54	+ 0·3
2631	7·0	59·61	− 0·21	+ 2·6
2641	7·3	59·97 59·98	− 0·47	+ 3·7
2643	6·0	60·69	− 0·53	+ 0·7
2651	6·0	60·63	− 0·36	+ 2·2
2662	7·2	60·64	+ 0·06	+ 3·1
2673	7·5	59 97	− 0·43	+ 2·2
2679*	6·5	59·99	− 0·49	−33·8
2683*	6·0	61·03 61·75	+ 0·71	−10·0
2695*	7·0	60·10 60·51	− 1·32	+ 9·5
2698†	8·1	60·00	− 0·58	+ 1·0
2708	7·0	59·66	− 0·26	+ 3·5
2710	7·7	59·86	− 0·21	+ 2·3
2715	5·9	63·66 63·72	− 0·30	+ 0·7
2716	7·5	59·89	0·00	+ 1·3
2730	4·0	64·27 64·93	− 0·10	+ 1·4
2734	7·0	60·93	− 0·46	− 0·7
2754	7·5	59·69	− 0·30	+ 3·4
2755	5·0	60·61	− 0·16	+ 0·8
2764†	7·5	59·74	− 0·48	− 0·1
2778†	8·4	58·72	− 0·50	− 0·8
2782	7·4	62·97 63·66	− 0·29	+ 3·0
2797	7·8	60·00 60·01	− 0·45	+ 1·2
2802	6·6	60·91 60·58	− 0·38	+ 1·5
2807	7·8	60·60	− 0·43	+ 1·7
2813	7·4	59·57	− 0·37	+ 1·6
			8h	
2821	7·0	57·17 56·47	− 0·37	+ 1·7
2823	7·3	60·87 60·88	− 0·28	+ 3·8
2828	7·0	59·78 60·15	− 0·32	+ 1·0
2834	7·2	60·01	− 0·45	+ 3·1
2846	7·0	60·91 60·90	+ 0·07	+ 1·5
2860	5·9	59·69 59·92	− 0·28	+ 0·4
2869	7·5	62·05 63·04	− 0·50	+ 0·1

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MADRAS 1835.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
2872	7·2	61·67 61·61	− 0·39	+ 0·4
2891	8·3	59·31 59·36	− 0·52	− 0·4
2913	7·8	59·89 59·90	+ 0·02	+ 2·1
2924	8·3	59·95	− 0·52	+ 0·1
2925	7·3	59·92	− 0·11	+ 0·5
2931	7·0	60·68	− 0·73	+ 1·6
2935	7·3	60·60	− 0·41	+ 4·6
2939	8·6	60·02	− 0·54	+ 1·1
2945	8·3	59·60	− 0·35	+ 2·4
2949	7·9	60·31	− 0·49	+ 5·5
2954	8·3	59·74	− 0·63	+ 1·0
2973	7·8	58·52	− 0·15	− 1·3
2974	7·3	60·71	− 0·59	+ 0·4
2979	7·7	60·59	− 0·63	+ 3·9
2989	6·5	58·04	− 0·48	+ 0·7
2998	7·0	63·67 63·73	− 0·53	+ 0·1
3001	7·5	57·76	− 0·71	+ 3·3
3014	7·3	60·32	− 0·37	− 0·4
3016	7·4	59·94	− 0·65	+ 0·7
3017	7·0	60·00	− 0·63	+ 2·0
3028	7·0	58·04 58·05	− 0·16	− 0·4
3033	7·7	60·57	− 0·53	+ 4·6
3035	7·8	59·55	− 0·44	+ 1·1
3036	6·5	60·65	− 0·34	+ 0·6
3038†	8·0	59·97	− 0·74	0·0
3039	7·6	59·89 59·90	− 0·14	+ 0·8
3050	7·9	60·60	− 0·45	+ 1·6
3061	7·0	58·05	− 0·73	+ 5·4
3062	8 0	60·57 60·58	− 0·35	+ 2·2
3064	6·5	59·56	+ 0·02	+ 1·3
3069	6·5	59·94	− 0·64	+ 2·0
3070	5·0	59·59	− 0·40	+ 2·6
3073	6·0	58·71	− 0·28	+ 0·9
3075	6·0	58·95 58·94	− 0·41	0·0
3082	7·9	58·36	− 0·55	+ 1·3
3089	6·0	59·95	− 0·48	+ 0·8
3094	8·3	58·21 58·28	− 0·55	+ 0·2
3104	7·6	57·86 57·84	− 0·21	+ 0·9
3107	7·3	59·66	− 0·56	− 0·6
3118	8·0	58·63	− 0·45	+ 1·6
3122	8·0	56·98 57·14	− 0·26	+ 0·7
3127	6·0	62·97 63·71	− 0·16	+ 1·0
3130	7·5	56·72 57·19	− 0·32	+ 2·4
3133	5·5	62·92 63·51	− 0·29	+ 0·1
3134	8·0	61·04 61·05	− 0·59	− 1·4
3140	7·0	58·07	− 0·51	+ 0·1
3156†	6·0	60·00	− 0·56	+ 0·5
3162	8·0	61·07	− 0·77	+ 2·2
3166	7·0	59·58	− 0·23	+ 0·7
3170	7·3	60·60 60 90	− 0·12	+ 0·6
3181	6·5	60·96 60·97	− 0·52	+ 0·6
3187	8·1	59·69	− 0·74	+ 1·9
3190*	6·0	60·01	− 0·95	+ 3·2
3191	7·8	58·66	− 0·42	− 0·5
3196	7·5	60·97	− 0·72	− 0·6
3200	7·7	60·11 60·30	− 0·21	+ 1·0
3203	6·0	60·99	− 0·78	+ 2·1
3205	8·0	57·73	− 0·22	+ 0·1
		9h		
3223	5·0	65·15 64·96	− 0·44	+ 0·4
3231	7·9	60·67 60·73	− 0·94	0·0
3243	7·3	58·73 59·83	− 0·32	+ 0·7
3245	7·3	59·93	− 0·54	+ 1·3
3266	7·0	57·45 57·96	− 0·14	− 1·3
3272	6·3	59 64	− 0·34	+ 0·9
3277	7·5	59·90	− 0·39	− 0·3
3281	7·0	57 94	− 0·24	+ 3·6
3283†	6·5	59·67	− 0·64	+ 0·9
3296	7·3	59·97	− 0·61	+ 0·2
3302	6·0	58·56	− 0·38	0·0
3304	7·3	60·89	− 0·02	+ 1·4
3305	7·5	59·85	− 0·24	+ 0·9
3316	6·0	60·97	− 0·15	+ 3·2
3321*	8·0	59·96	− 1·64	+ 12·5
3330	7·7	58·72 58·61	− 0·20	+ 1·7
3339	7·4	59 95	− 0·19	+ 2·3
3352	7·3	59·95	− 0·24	+ 1·9
3353	6·5	59·94	− 0·28	+ 1·7
3367	8·0	57·66	− 0·42	+ 0·4
3369	8·4	59·76	− 0·89	+ 0·6
3371	7·3	60·72	− 0·79	− 0·8
3392	6·0	60·94	− 0·20	+ 1·4
3393	7·8	59·92	− 0·47	+ 3·7
3402	6·0	61·57 62·35	− 0·10	+ 1·0
3414	8·0	59·44 59·65	− 0·70	− 1·4
3419	5·5	60·96	− 0·08	+ 2·0
3432	7·0	60·93	− 0·41	− 1·2
3434	8·1	60·95	− 0·23	+ 1·9
3437	5·0	60·95	− 0·75	+ 2·3
3444†	6·0	61·96 62·75	+ 0·39	− 1·8
3468	8·7	57·76	− 0·50	− 1·9
3479	7·1	60·65	− 0·35	+ 1·2
3487	7·0	60·92	− 0·31	+ 0·8
3497	8·1	59·96	− 0·36	+ 2·7
3501	6·5	63·75 63·74	− 0·24	+ 1·0
3516	7·3	58·45	− 0·29	+ 0·1
3521	5·8	63·05 63·73	− 0·05	+ 0·1
3531	7 3	59·89	− 0·32	+ 2·6
3533	7·0	60·00	− 0·60	+ 0·1
3543	8·0	57·65 57·66	− 0·57	− 0·2
3545	7·5	57·02 56·13	− 0·44	+ 1·5
3549	6·5	60·69	− 0·35	+ 0·3
3553†	7·8	59·99 60·03	− 0·81	+ 2·1
3558	6·0	60·96	− 0·37	+ 0·9
3572	7·7	61·04	− 0·41	+ 3·6
3576	6·5	59·59	− 0·44	− 0·4
3606	7·9	59·00	− 0·66	+ 1·4
3610	6·9	59·58	− 0·64	+ 0·8
3611	7·8	60·75	− 1·35	+ 3·4
		10h		
3623	7·8	59·47 58·94	− 0·57	+ 0·9
3625	7·0	56·55	− 0·28	+ 2·1
3626	6·5	60·67	− 0·43	+ 2·7
3649	5·2	61·03	− 0·25	+ 3·2
3650	7·1	59·97	− 0·52	+ 2·5
3675	6·0	60·69	− 0·53	− 1·0
3677	6·0	61·01	− 0·80	+ 2·3
3683	8·0	58·16	− 0·50	− 0·3
3688	7·5	58·53	− 0·29	+ 2·9
3700	7·3	59·50	− 0·62	+ 0·8
3707	6·5	58·08	− 0·36	+ 1·1
3714	7·8	59·62 59·63	− 0·28	+ 1·7
3717	6·7	59·93	− 0·26	− 0·7
3729‡	6·0	64·09 63·84	− 0·35	+ 5·6
3754‡	6·0	58·39	− 0·17	− 4·1
3760	7·3	59·53	− 0·17	− 2·3
3766	7·3	57·88	− 0·15	0·0
3769	8·2	58·85 58·39	− 0·51	+ 0·3
3788	8·7	57·94	− 0·54	+ 1·5
3791	8·0	57·56	− 0 30	+ 0·4
3795	7·0	59·62 59·69	− 0·19	− 0·3
3818	7·7	60·67	− 0·52	− 2·4
3820	7·6	59·59	− 0·21	+ 1·2
3832	6·5	58·70	− 0·27	+ 0·6
3843	7·3	60·73	− 0·47	+ 2·3
3849†	7·9	58·50	− 0·88	+ 2·2
3879	3·0	65·77 65·00	+ 0·43	− 2·2
3892	7·8	59·71	− 0·82	+ 3·1
3897	7·5	58 96	− 0·53	+ 1·7
3907	7·0	61·04	− 0·07	− 0·8
3912	8·1	59·72	− 0·42	− 1·2
3920	7·9	59·71 60·00	− 0·50	+ 1·5
3930	6·8	57·97	− 0·24	+ 1·5
3948	7·3	59·95 59·98	− 0·38	+ 1·7
3957	6·2	58·94	− 0·23	+ 0·7
3958	5·0	61·56 62·10	+ 0·06	− 2·3
3985	7·3	60·59	− 0·50	+ 1·9
3986	8·0	57·54	− 0·26	+ 1·1
		11h		
3988†	6·5	59·16	− 0·98	+ 2·0
4002	7·6	59·63	− 0·26	0·0
4006	7·0	61·01	− 0·57	+ 2·6
4011	7·2	59·34 58·43	− 0·34	+ 1·7
4014*	7·2	60·76	− 0·65	+ 7·3
4030	7·8	60·68	− 0·51	− 0·3
4038	7·0	59·69	− 0·73	+ 0·2
4042	6·0	60·74	− 0·70	+ 2·1
4048	7·3	60·53	− 0·39	+ 1·2
4059	7·5	57·84	− 0·31	+ 1·9
4060*	7·4	58·25	− 1·20	+ 6·6

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MADRAS 1835.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
4079	7·8	60·75	− 0·71	− 0·1
4091	7·8	59·90	− 0·10	+ 0·6
4102	7·4	59·65	− 0·47	− 2·3
4115	6·5	57·90	− 0·28	+ 0·7
4125	7·8	57·70	− 0·38	+ 1·3
4142	8·0	59·85	− 0·82	+ 0·8
4143	8·2	59·64	− 0·67	+ 2·4
4150	8·2	59·92	− 0·30	+ 2·0
4158	7·0	58·13	− 0·26	− 0·1
4188	7·1	59·95 59·98	− 0·67	+ 1·0
4192	5·8	59·96	− 0·12	− 1·4
4207	7·8	59·65 59·57	− 0·77	+ 0·2
4214	7·2	61·05	− 0·51	+ 2·0
4244	8·0	61·18 60·85	− 0·39	+ 1·0
4252†	6·0	61·44 62·04	− 0·61	+ 1·3
4254	8·3	58·92 58·64	− 0·53	− 0·9
4275	7·9	60·81	− 0·71	− 0·2
4281†	5·0	63·05 63·68	− 0·77	− 0·1
4282	6·9	58·64	− 0·28	+ 0·1
4317†	7·2	59·68 59·74	− 0·97	+ 0·4
4318	7·0	60·65	+ 0·30	− 0·5
4325	7·0	58·00 57·98	− 0·43	+ 2·2
4331	6·7	60·58	− 0·48	+ 1·4
4335	7·5	59·89	+ 0·15	− 1·4
4339	8·7	58·64	− 0·72	− 0·2
4347	7·3	58·14	− 0·54	+ 0·1
4354	7·5	59·58	− 0·40	− 0·2
			12h	
4379	7·5	58·98	− 0·09	+ 1·1
4381	7·8	59·91	− 0·63	+ 3·2
4385	6·0	60·98	− 0·14	− 0·3
4388	6·0	60·34 61·09	− 0·50	− 3·0
4403	7·0	59·72	− 1·49	− 2·7
4424*	8·0	59·08	− 1·97	− 4·5
4425*	6·5	58·35	− 1·71	− 9·4
4441	7·8	59·80 59·01	− 1·68	− 1·7
4444	7·0	60·94	− 0·16	+ 2·3
4472	8·2	58·45	− 0·39	− 1·5
4483	8·0	59·97	− 0·11	+ 0·6
4484	6·5	58·81	− 0·71	+ 0·1
4492	5·5	60·91	− 0·60	− 0·1
4496*	6·5	60·92	− 3·67	− 4·5
4502	4·5	64·01 62·11	− 0·39	− 0·4
4511	7·0	57·95	− 0·44	+ 0·6
4519	8·0	58·37	− 0·60	+ 1·8
4528	7·0	61·03 61·02	+ 0·34	+ 4·6
4546	6·0	61 13 61·77	− 0 79	− 0·7
4548	7·0	61·09	− 0·03	+ 2·1
4554	7·0	61·04	− 0·37	− 0·8
4560†	4·0	65·92 66·88	− 1·42	+ 0·6
4561	8·1	59·96 59·95	− 0·67	+ 0·4

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
4578	7·0	58·59 58·60	− 0·63	+ 1·7
4583	8·2	58·31 57·92	− 0·26	+ 1·6
4586	6·0	60·59 60·88	− 0·93	+ 1·0
4615	8·1	59·99	− 0·82	+ 1·7
4622	7·6	59·99	− 0·23	+ 2·3
4629	7·0	58·55	− 0·23	+ 1·9
4646	7·2	59·72	− 0·88	+ 1·9
4654	8·0	60·68	− 0·89	+ 2·4
4661*	6·5	58·23	− 1·41	−13·0
4663†	7·0	62·05 62·76	+ 0·14	+ 0·6
4666	6·0	62·02 62·70	− 0·42	− 2·2
4673	7·6	59·69	− 0·51	+ 1·5
4676	5·8	60·62	− 0·48	+ 1·4
4681	7·8	61·04	− 0·80	+ 4·0
4692†	7·5	57·78 57·79	− 0·88	− 0·5
4716	7·1	58·67	− 0·57	+ 0·8
4721	7·0	57·88	− 0·41	+ 0·9
4725	7·1	60·59 60·60	− 0·65	+ 3·8
			13h	
4734	6·3	57·79	− 0·31	+ 0·6
4751	7·3	60·03	− 0·50	+ 3·3
4763	6·0	58·01	− 0·80	− 0·5
4765†	5·5	63·58 65·45	− 1·00	− 2·6
4778	6·8	59·92	− 0·89	+ 0·4
4805	7·0	59·70	− 0·68	+ 2·7
4808	7·5	57·95	− 0·56	− 1·4
4809	8·6	58·87 59·09	− 0·55	+ 2·9
4812	6·5	60·70	− 0·36	+ 0·5
4821	7·0	59·71	− 1·09	− 1·9
4825	7·0	60·71 60·70	− 0·44	0·0
4828	6·5	60·66	− 0 39	+ 1·2
4833	7·3	60·36 59·65	− 0·06	+ 2·1
4840	7·5	60·54 60·71	− 0·67	+ 0·5
4845	7·6	60·71 61·03	− 0·83	+ 0·6
4851	7·8	59·68 59·61	− 0·57	+ 0·3
4854	7·4	58·69	− 0·46	− 0·9
4857	8·4	58·12 57·85	− 0·69	+ 0·3
4858	6·0	58·31	− 0·24	+ 0·2
4859	6·7	60·97	− 0·17	+ 1·1
4868	5·8	60·68 60·53	− 0·22	+ 1 3
4888	7·6	60·04	− 0.41	− 6·5
4889	7·5	58·64	− 0·31	+ 0·2
4891	7·6	58·63	− 0·45	− 1·1
4896†	7·0	57·47 57 39	− 1·21	− 2·0
4899	7·2	59·97 59·96	− 0·18	+ 0·1
4911	7·0	57·35	− 0·70	+ 2·3
4913	6·5	58 72	− 0·35	+ 1·0
4914	7·5	58·88	− 0·18	− 1·2
4916	6·3	59·97	− 0·13	+ 0·4

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
4921	7·0	61·01 60 42	− 0·41	− 0·4
4934	6·8	60·06	− 1·34	+ 1·1
4940	7·5	60·02	− 0·21	− 1·8
4951	7·5	58·31	− 0·29	+ 0·4
4952	6·5	58·26 58·37	− 0·72	− 1·7
4959	6·5	58·16	− 0·41	+ 1·5
4960	7·0	58·74 59·10	− c·56	+ 0·1
4972	5·2	61·08	+ 0·17	− 1·3
4976	7·4	60·63 60·97	− 0·35	+ 2·2
4988	7·9	59·64 59·65	− 0·64	+ 2·8
4994	8·0	58·88	− 0·76	+ 1·7
5003	6·0	62·42 63·13	− 0·13	− 2·1
5005	7·8	58·87	− 0·72	− 1·8
5010*	7·8	61·10	− 4·25	+ 0·2
5019	7·0	59·66	− 0·35	+ 0·9
5024	7·0	59·65	− 1·10	− 0·9
5031	7·0	60·68 61·00	− 0·68	+ 1·6
5032†	7·8	58·87	− 0·09	+ 0·3
5033	8·3	57·74 57·73	− 0·74	0·0
5035*	7·0	60·67 60·99	− 0·61	+ 8·8
5044	4·5	65·98 66·66	— 0·40	+ 0·6
5049	6·3	60·73	+ 0·13	− 0·1
5057	7·2	59·49	− 0·43	+ 1·3
5065	7·0	58·70	− 0·75	− 2·5
5066	5·0	56·91 56·89	− 0·17	− 1·5
5070	7·6	60·66	− 0·53	+ 2·1
5085	5·0	64·22 65·14	− 0·33	− 0·2
			14h	
5091	7·3	59·95 59·94	− 0·22	+ 1·0
5092*	7·0	61·03	− 0·23	+ 8·1
5094	7·0	60·67	− 0·73	− 0·1
5100	6·7	58·07	− 0·43	− 0·7
5107	8·1	59·04 59·03	− 0·34	− 0·6
5115	7·3	61·05	− 0·50	− 4·8
5124	7·0	58·49 58·50	− 0·29	+ 1·0
5131	7·8	60·91	− 0·30	− 1·5
5140	7·5	58·99	− 0·19	+ 1·6
5143	7·3	60·00	+ 0·60	− 7·0
5166	7·8	58·97	− 1·01	− 0·5
5170	6·0	61·35 61·34	− 0·17	− 5·3
5171	7·8	60·08	− 0·85	+ 0·2
5182	6·5	59·92	− 0·27	+ 0·1
5186	7·0	60·00	− 0·77	+ 0·5
5201	7·0	57·12	− 0·71	− 1·1
5208	5·0	66·01 65·78	− 0·18	+ 1·9
5220	7·5	58·09 57·44	− 0·37	− 2 1
5223	7·0	58·86	− 0·77	+ 0·6
5227	7·8	58·11 58·48	− 0·26	− 0·7

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MADRAS 1835.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
5239	7·9	59·97	− 0·23	+ 0·3
5240	7·8	60·02	− 0·30	+ 6·8
5248	7·3	60·90	− 0·25	+ 2·2
5249	5·0	66·01	− 0·60	+ 0·4
		65·72		
5257	7·9	60·27	− 0·55	− 1·8
		59·69		
5259	7·0	61·30	− 0·03	− 0·2
		61·64		
5263	8·1	59·74	− 0·53	− 1·5
		59·73		
5268	6·5	61·81	− 0·08	− 2·0
		62·32		
5269	7·8	60·03	− 0·39	+ 1·0
5278	5 4	68·03	− 0·44	− 1·2
		65·98		
5279	7·5	58·42	− 0·55	+ 1·4
5280	7·5	59·58	− 0·50	− 0·2
5281	7·3	60·01	− 0·80	+ 1·0
		60·02		
5288*	7·0	59·98	− 1·37	−14·0
		60·69		
5298	8·0	57·15	− 0·61	+ 0·4
5304	7·7	58·39	− 0·49	+ 0·1
5310	7·4	59·57	− 0·49	+ 1·2
		59·94		
5329	7·6	59·12	− 0·54	− 1·5
5332	7·0	60·02	− 0·21	+ 0·7
5336	7·0	58·96	− 0·12	+ 1·7
5362	7·0	58·18	− 0·38	− 0·7
5407	7·5	60 70	− 0·39	− 2·8
5412*	7·0	58·35	− 1·33	− 5·1
5419	8·0	60·30	− 0·45	+ 1·4
5439	7·0	62·22	− 0·34	− 0·4
		61·98		
5440	4·0	66·77	− 0·39	0·0
		65·40		
5450	6·8	61·06	− 0·12	+ 1·0
			15h	
5463	7·5	57·70	− 0·69	− 0·9
5464	6·0	57·05	− 0·49	− 2·8
5470	5·0	56·90	− 0·26	− 0·7
		55·03		
5486	7·1	59·99	− 0·11	− 1·0
5490	5·2	63·08	− 0·47	− 4·9
		62·98		
5504	7·4	58·53	− 0·14	− 1·4
5509	6·0	62·14	− 0·15	− 1·8
		62·77		
5510†	7·0	57·51	− 1·17	− 0·8
5512	7·3	59·51	− 0·76	− 2·9
5515	7·7	59·99	− 0·66	+ 2·3
5529	6·0	61·31	− 0·26	− 0·7
		61·88		
5542	7·3	61·79	− 0·25	− 3·1
		61·83		
5545*	7·0	57·98	− 9·49	−12·8
		57·99		
5547	6·0	64·91	− 1·03	− 7·9
		64·92		
5551	7·0	60·12	− 0·53	+ 0·8
5577	8·0	59·92	− 0·08	+ 0·2
5608	7·8	59 00	− 0·54	+ 1·6
5610	7·3	60·03	+ 0·01	+ 2·7
5618*	7·0	58·54	+ 0·07	− 2·5

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
5631	5·0	63·23	− 0·08	− 4·1
		63·66		
5647*	4·7	63·68	− 1·00	+ 6·0
		63·53		
5666*	5·2	61·00	− 1·28	−15·1
		63·52		
5671	7·0	60·11	− 0·72	− 2·1
5693	7·5	59·19	− 0·34	− 1·4
5697	7·2	59·83	− 0·65	+ 1·4
5723	7·5	59·71	+ 0·23	− 1·3
		59·72		
5754	7·0	57·24	− 0·47	+ 0·9
5772	7·0	58·19	− 0·44	− 0·7
		58·20		
5779	5·5	58·10	− 0·12	+ 0·4
5793‡	7·0	57·27	− 0·50	− 7·6
5804	7·3	61·07	− 0·19	+ 1·5
5816	5·0	65·88		
		66·28	+ 0·11	+ 2·4
			16h	
5822	7·0	60·94	+ 0·03	− 0·5
5827	7·3	58·89	− 0·35	− 3·4
5843	7·0	60·86	− 0·23	+ 2·6
5846*	6·5	60·13	− 0·75	− 6·4
		60·81		
5853	7·4	61·08	− 0·55	+ 1·1
5871	7·5	58·36	− 0·40	− 0·3
5888	6·0	60·99	+ 0·24	+ 0·2
		61·73		
5899	7·3	58·78	− 0·54	0·0
5904	8·0	57·98	− 0·34	− 1 7
5905	6·0	51·05	0·00	+ 0·2
5907†	6·5	57·95	− 0·65	− 1·0
5920	7·1	59·14	− 0·50	+ 3·0
5934	7·7	58·78	− 0·67	− 0·5
5981	7·3	58·46	− 0·40	− 0·5
5988	7·8	59·89	− 0·55	+ 0·4
5992	8·3	57·86	− 0·57	− 1·2
5996	6·0	61·53	− 0·38	− 1·8
		61·72		
6014	7·5	59·21	− 0·26	+ 1·0
		59·61		
6017	8·0	60·88	− 0·40	+ 2·0
6018	7·3	59·61	− 0·34	+ 1·4
		59·60		
6022	6·0	59·85	− 0·50	+ 0·1
6025	7·5	59·78	+ 0·13	− 4·3
6031	6·9	59·87	+ 0·14	+ 1·0
6044‡	6·0	61·86	− 0·26	− 4·3
		62·12		
6050	6·8	59·94	− 0·22	− 0·2
6087	7·0	59·92	− 0·20	− 1·1
		59·98		
6090	8·1	58·22	− 0·31	− 0·2
		59·48		
6097	7·0	59·87	− 0·59	− 0·3
6098	5·5	59·73	+ 0·08	+ 0·1
		61·19		
6105	7·2	54·19	− 0·30	+ 1·6
6108	6·8	59·87	− 0·60	+ 1·6
6109	7·0	57·67	− 0·26	+ 0·7
6116	7·0	60 69	− 0·17	− 0·6
		60·62		
6151	7·4	59·85	− 1·15	+ 3·3
6169	6·5	58·15	− 0·08	+ 2·6
		58·16		

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
			17h	
		y	s	″
6176	7·4	58·71	− 1·02	+ 0·7
6182	8·0	56·97	− 0·58	+ 0·7
6190	7·5	59·96	− 0·42	+ 2·7
6193	5·8	60·05	− 0·23	− 2·5
		60·47		
6209	7·6	59·14	− 0·57	+ 1·4
6229	7·4	58·66	− 0·23	+ 2·3
6271	6·0	62·89	− 0·37	+ 1·0
		63·83		
6274	7·5	58·99	− 0·70	+ 2·4
6287	7·0	61·04	− 0·39	+ 1·2
6290	6·8	59·88	− 0·51	− 1·4
6318	7·3	59 13	− 0·99	+ 0·9
6328	7·0	58·73	− 0·40	+ 4·5
		59·03		
6338	5·2	61·79	− 0·21	− 0·7
		62·34		
6384	7·3	59·87	− 0·28	+ 1·3
		59·88		
6428	5·8	61·14	− 0 25	− 1·2
		61·36		
6431	7·0	59·57	− 0·24	+ 0·8
6459	5·0	56·02	− 0·28	− 0·4
6469	5·8	59·73	− 0·25	− 1·7
		59·59		
6475	8·5	59·48	− 0·80	+ 0·1
		59·78		
6510	4·0	59·34	− 0·31	+ 0·2
		67·93		
6514‡	6·0	60·73	− 0·22	− 7·2
		60·64		
			18h	
6535*	6·5	58·87	− 0·54	+ 0·1
6546	7·4	60·77	− 0·30	− 3·7
		60·78		
6568	7·0	62·96	+ 0·12	+ 3·1
		63·82		
6572	6·5	58·87	− 0·33	− 1·7
6614‡	8·0	61·44	− 0·23	− 5·0
		61·19		
6619	5·8	63·04	+ 0·29	− 0·3
		60·90		
6634	4·0	63·59	− 0·35	+ 0·5
		63·39		
6646*	4·5	60·66	+ 1·07	−14·7
		63·32		
6657	8·0	59·59	− 0·94	+ 0·8
6661	6·0	63·07	+ 0·20	− 1·8
		62·87		
6703	6·5	60·58	− 0·23	+ 3·1
		60·59		
6715	7·8	60·94	− 0·52	− 4·7
6738	6·5	60·52	− 0·31	+ 0·4
6745	7·3	60·62	− 0·09	− 1·2
6748	7·8	58·77	− 0·55	− 6·6
		56·81		
6754	5·5	61·02	+ 0·03	0·0
		61·25		
6758	5·5	61·36	+ 0·01	− 0·1
		61·70		
6776	7·0	58·03	− 0·54	+ 0·2
6794	7·2	60·32	− 0·60	− 1·2
6815	8·5	59·63	− 0·64	− 0·2
6821	7·8	60·51	− 0·66	− 0·4
6837	7·8	60·78	− 0·28	− 0·2
6838	7·5	58·99	− 0·50	− 5·7
		59·00		
6856	6·5	60·36	− 0·57	− 1·3

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MADRAS 1835.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		19h		
		y	s	"
6901	6·5	63·17 63·58	+ 0·37	− 2·2
6909	6·0	61·16 61·62	− 0·28	+ 1·0
6927	6·5	60·85 60·82	− 0·49	− 1·0
6943	6·5	60·67	+ 0·12	+ 2·1
6956‡	4·0	64·20 64·14	− 0·18	− 7·3
7006	6·0	62·83 62·86	− 0·33	− 1·7
7015	5·5	60·68 60·41	− 0·35	− 0·5
7100	7·0	59·81	− 0·29	− 0·4
7103	8·0	59·25 59·54	+ 0·07	0·0
7115	6·0	62·03 61·80	+ 0·14	− 2·2
7131*	5·0	65·99 64·24	− 0·68	+ 4·1
7163	6·0	63·10 63·72	− 0·09	− 0·4
7191	7·5	59·93	− 0·58	+ 0·7
		20h		
7237‡	6·3	61·59 61·93	− 0·18	− 5·4
7282	6·2	60·40	− 2·26	−13·9
7292‡	5·8	58·35 56·42	+ 0·32	− 5·0
7297	6·0	61·15 61·89	− 0·46	+ 1·1
7357	5·8	63·10 63·25	+ 0·15	− 1·2
7377*	3·0	65·82 65·81	+ 0·12	+ 5·8
7393	8·2	59·78	− 0·31	− 8·0
7397	6·0	61·54 61·90	− 0·07	+ 1·1
7437	7·5	59·91	− 0·34	+ 0·9
7452	5·0	58·30	+ 0·07	+ 3·2
7461	5·6	59·23	− 0·21	+ 0·6
7478	5·0	58·60 60·09	+ 0·17	− 4·4
7500*	6·5	58·31	− 3·22	−55·3
7508	6·0	61·00 61·01	− 0·91	+ 9·4
7509	7·3	55·44 56·46	+ 0·13	+ 2·7
7541	7·3	63·14 63·47	− 0·59	− 0·3
7544	6·0	59·07 57·58	− 0·07	+ 0·5

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		21h		
		y	s	"
7550	6·5	60·90	− 0·18	− 1·0
7551	6·0	57·73 57·89	− 0·11	+ 0·2
7563	7·0	58·01	− 0·33	− 2·1
7602	7·0	60·81 60·83	− 0·38	− 4·5
7614	6·5	5 ·33 59·16	+ 0·12	− 1·8
7638	6·0	59·67	+ 0·19	− 0·5
7645	6·0	61·65 62·33	+ 0·06	+ 2·1
7662	5·8	61·62 62·24	− 0·62	+ 1·4
7690	6·0	62·11 62·48	+ 0·19	+ 2·5
7708*	7·4	60·88	+ 2·42	−12·1
7730	8·2	60·63	− 0·59	− 2·7
7746*	7·5	59·87	+ 0·08	+ 1·4
7752*	7·0	58·28 58·41	+ 0·74	− 6·7
7770	8·0	58·53	− 0·23	+ 2·1
7783	5·8	58·77	+ 0·36	−15·6
7785	7·0	60·96	− 0·29	+ 0·5
7791	7·8	59·37 59·32	− 0·16	− 1·4
7803	8·0	60·50	− 0·43	0·0
		22h		
7930*	6·5	58·44 58 51	+ 2·78	−45·5
7981	6·0	60·03	+ 1·19	− 2·7
8006*	7·5	58·84 59·24	+ 1·85	−18·9
8017	4·7	55·49 56·39	− 0·33	+ 1·7
8037†	7·5	58·94 58·95	− 0·59	+ 2·1
8057	7·0	60·87	− 0·02	− 1·7
8059	6·8	61·61 58·91	— 0·02	− 3·5
8075	7·5	60·79	+ 0·15	− 3·1
8090*	6·5	59·30 58·08	− 0·18	−18·8
8091	2·0	56·82 56·96	+ 1·44	+ 1·2
8093	6·5	59·90	− 0·17	+ 2·9
8097‡	6·0	61·68 62 38	− 0·28	− 5·2
8108	6·0	59·91	− 0·56	+ 0·4
8112	6·5	60·90 60·91	+ 0·98	− 2·0
8117	7·0	58·99	+ 0·43	−14·1

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
			y s	"
8126	4·0	57·45 57·92	+ 0·53	− 2·5
8166	6·5	60·58	− 1·62	+ 3·4
8214‡	6·0	58·60	− 0·51	+ 6·1
		23h		
8233	4·0	56·92 56·91	− 0·36	− 1·1
8234	6·5	59·91	+ 0·21	+ 2·2
8246†	6·0	59·06 60·19	− 2·15	− 0·3
8247	7·0	57·57 58·03	+ 0·17	− 1·6
8249	4·0	62·05 61·60	+ 0·67	− 2·5
8265	6·5	60·87	− 0·41	− 0·2
8274‡	6·3	59·59 60·20	+ 0·12	− 5·1
8289†	7·0	61·77 62·33	− 0·60	+ 1·9
8302	7·0	60·87	− 0·40	+ 0·8
8306	6·2	60·94	− 0·39	− 4·6
8321†	7·1	58·41 58·39	− 0·66	+ 1·3
8323	7·0	58 43 58·74	− 0·13	+ 0·2
8345	6·0	60·49 60·50	− 0·40	+ 1·3
8346	7·2	60·97 60·95	− 0·53	+ 0·4
8351	7·0	57·94 57·78	− 0·20	− 0·7
8363*	6·8	59·26 59·25	− 0·62	− 5·3
8366	6·5	59·87	− 0·21	+ 1·6
8387	4·8	62·86 62·98	+ 0·04	− 1·4
8408	7·0	59·77 59·81	− 0·15	− 0·2
8427	7·2	58·43	0·00	− 1·5
8436	7·2	59·92	− 0·18	− 2·8
8451	6·5	60·47 58·96	+ 0·15	− 1·8
8458	5·0	60·95	− 0·45	− 0·4
8479	7·0	59·78 59·82	− 0·51	+ 3·1
8484	7·5	58·06	− 0·21	+ 0·3
8515	7·5	56·26	− 0·08	− 2·1
8523	8·0	60·98	+ 0·15	− 1·5
8532	7·8	60·97 61·00	− 0·57	− 2·0
8542	6·0	60·82	− 0·32	+ 1·0
8544	5·8	60·99	− 0·84	+ 2·3
8546	7·0	59·67 58·20	− 0·11	− 1·9

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1840.

No. 1900.	Mag.	1900—1840. ΔEp.	Δα	Δδ
			0h	
		y	s	"
25‡	4·0	63·02	...	−10·8
78	6·5	57·20	+ 0·19	...
119†	4·0	51·66 48·75	+ 0·56	+ 2·4
138	7·0	57·44	+ 0·11	...
142	6·5	56·76	− 0·11	...
144	5·8	62·88	+ 0·79	...
165‡	7·0	60·14	+ 0·46	...
173*	5·8	61·60 63·84	+ 0·27	−11·4
197	6·5	61·77 62·75	+ 0·18	− 3·6
201	8·3	56·99 57·03	− 0·04	− 0·8
235†	6·0	63·01	+ 1·13	...
246	6·6	60·28 58·83	− 0·15	+ 1·9
253	7·0	56·99 57·05	+ 0·04	+ 0·3
262	5·5	61·60	+ 0·38	...
330‡	5·5	59·89 62·95	− 0·04	− 7·0
			1h	
347	4·0	62·23 63·59	− 0·25	− 0·1
355	7·0	59·92 60·95	+ 0·92	− 3·0
440	6·5	58·90	...	+ 2·2
452	7·0	61·88 62·91	− 0·11	− 1·6
484*	4·0	63·16 63·86	+ 0·80	+ 9·1
487	6·0	60·43	− 0·05	...
542	7·1	59·80	...	− 1·7
564	6·0	59·85 59·82	+ 0·26	− 0·7
587†	6·0	59·85 59·89	+ 0·77	+ 3·0
592	6·5	57·36	+ 0·02	...
607*	4·5	61·24 60·43	− 0·59	− 5·3
609	5·5	60·23 60·22	− 0·29	− 2·1
629†	5·0	61·53 61·31	+ 0·65	+ 0·3
632	7·0	56·55	+ 0·12	...
642‡	6·0	58·03	− 0·18	− 6·0
652	5·7	62·09 62·88	− 0·21	− 3·0
			2h	
685	6·5	57·03	− 0·11	...
695	6·5	57·60	+ 0·24	...
698	6·5	58·89 58·77	− 0·01	− 2·1
754	8·0	62·12 63·01	− 0·10	+ 2·9
766	6·8	57·62	+ 0·24	...
774†	6·0	59·76 59·61	− 0·99	+ 3·3
780†	6·0	57·23	+ 1·24	...
795	4·0	61·61	+ 0·07	...
835	6·5	59·77	0·00	...
869	4·5	59·69 61·69	+ 0·49	− 1·8
888‡	6·5	57·63 57·52	− 0·03	+ 3·3
901	7·0	58·91	− 0·13	...
902‡	7·0	61·21 62·01	+ 0·07	− 5·3
927	6·7	58·00	+ 0·28	...
941	6·5	61·22 61·23	+ 0·20	− 1·7
1000	7·0	59·94 60·66	+ 0·15	− 0·3
			3h	
1048†	6·5	60·04 61·33	+ 0·52	− 0·3
1054	7·0	61·04 61·03	− 0·12	+ 0·2
1079	6·5	58·79 59·70	− 0·03	+ 0·7
1087*	4·5	58·83 59·87	+16·40	+45·3
1139	7·3	58·65 58·90	+ 0·19	+ 1·3
1153†	6·0	61·67 61·97	+ 0·54	+ 0·4
1167*	6·0	61·21 61·97	+ 0·46	+ 5·3
1181	7·1	58·62 58·54	+ 0·07	+ 0·4
1188	4·8	58·36 59·24	− 0·11	− 2·2
1212	7·3	56·93	...	− 1·1
1239	5·8	58·35 58·34	− 0·09	− 1·5
1292	7·3	58·07 57·99	− 0·03	− 1·3
1295	6·0	57·00 56·96	− 0·14	− 1·0
1297	7·3	58·29 58·27	− 0·11	− 1·0
1322	7·0	59·46 59·56	+ 0·08	+ 2·3
			4h	
1368†	7·0	59·01	+ 0·33	− 0·6
1379	7·0	58·26 58·28	+ 0·28	− 0·2
1399	7·0	58·62 58·58	+ 0·13	+ 0·3
1410‡	4·0	58·26 61·65	+ 0·19	−13·5
1441	5·5	60·58 62·40	+ 0·21	+ 0·8
1474	7·0	58·62 58·67	0·00	+ 2·6
1490*	6·5	61·76 58·87	+ 0·34	−16·4
1500	7·0	57·98	...	+ 0·7
1509	5·5	61·96 59·51	− 0·31	− 0·8
1541	6·5	57·93 57·97	+ 0·10	+ 2·1
1561	7·0	62·99	− 0·02	...
1574	5·5	61·76 61·79	− 0·22	+ 1·9
1578	7·0	57·16 57·23	− 0·04	+ 0·5
1607	7·0	58·96 58·90	+ 0·10	+ 1·9
1632	6·8	59·30	− 0·19	0·0
1667	7·3	62·99 63·08	− 0·02	+ 0·3
			5h	
1693	6·0	61·34 59·35	− 0·30	+ 1·7
1701	5·5	60·38 58·93	+ 0·21	+ 0·1
1727‡	7·6	57·90 57·97	− 0·11	+ 5·7
1801	8·3	57·96 57·99	− 0·10	− 0·1
1821	6·8	57·91 57·95	− 0·17	− 0·2
1853	7·1	57·91 57 94	+ 0·09	− 2·4
1887	7·0	58·06 57·88	− 0·21	− 1·9
1938	7·0	57·94	− 0·16	...
1950	6·8	57·87 57·90	− 0·10	+ 0·1
1954	7·8	57·93	+ 0·15	...
1956	7·0	57·06 56·98	− 0·09	− 3·3
1994	7·5	62·06	− 0·15	...
2004	6·5	58·92	...	− 0·4
2013	7·2	57·94	+ 0·14	...
2027	7·5	59·03 58·96	− 0·17	− 0·2
			6h	
2062†	7·0	58·93 59·04	− 0·70	− 2·6
2066‡	7·8	57·91 57·85	+ 0·17	− 4·8
2077‡	6·0	56·60	...	− 2·1
2078	7·3	57·90	...	+ 1·8
2092	6·0	56·46	− 0·23	+ 2·7
2096	6·5	57·93 57·90	− 0·13	− 0·1
2190	6·0	59·00 58·95	− 0·16	− 3·1
2207	8·0	56·28 56·22	+ 0·09	+ 0·4
2226*	6·0	62·01 58·96	+ 0·54	+ 5·1
2285	8·3	56·76	...	− 1·1
2286	7·3	58·00 57·97	− 0·07	+ 0·2
2323	7·5	60·99	+ 0·02	...
2348	3·0	59·01	+ 0·23	...
2371	6·5	56·18 56·02	+ 0·08	+ 1·6
2385	5·5	62·05 58·96	+ 0·04	− 0·4
2421	7·0	56·80 56·71	− 0·11	− 2·0
			7h	
2442	7·0	56·15 55·98	− 0·26	− 0·3
2458	6·5	58·95	− 0·22	+ 1·4

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1840.

No. 1900.	Mag.	1900—1840. ΔEp.	Δα	Δδ
		y	s	″
2479‡	5·5	59·06 59·00	− 0·20	+11·3
2490*	5·0	57·91 57·95	− 0·92	+ 4·8
2497‡	5·5	57·96	...	− 6·9
2500*	5·7	58·14 57·94	+ 0·48	+19·0
2509	6·5	58·06 57·91	− 0·05	− 0·8
2508	5·0	58·98	− 0·10	...
2524‡	7·5	57·94	...	+33·2
2534	7·8	57·99 57·96	− 0·25	− 2·1
2577	5·5	61·59 59·12	− 0·13	− 1·1
2605	7·1	58·90 59·01	− 0·04	+ 0·5
2624	7·0	58·94	...	− 1·0
2651	6·0	62·79 58·97	− 0·31	− 1·3
2662	7·2	62·04	− 0·12	...
2679‡	6·5	57·97	...	−32·5
2683‡	6·0	56·00	+ 0·60	−10·7
2710	7·7	57·96 57·93	− 0·16	+ 0·2
2715	5·9	58·03	− 0·08	...
2730	4·0	60·78	...	− 0·6
2782	7·4	57·94	...	+ 0·2
			8h	
2828	7·0	58·95	...	− 1·0
2860	5·9	57·98	...	− 2·5
2925	7·3	58·01 57·94	− 0·20	− 2·3
2947	5·7	60·29 58·49	− 0·08	− 0·6
2998	7·0	58·04 57·88	− 0·21	− 0·3
3036	6·5	59·10 59·02	− 0·19	− 2·2
3070	5·0	57·79	...	− 0·7
3069	6·5	58·83	...	− 0·1
3075	6·0	58·17	...	+ 0·6
3089	6·0	58·90	...	+ 1·2
3127	6·0	57·93 57·76	− 0·22	+ 1·1
3133	5·5	57·81 57·95	− 0·13	− 1·4
3156	6·0	60·63 57·95	− 0·13	− 3·1
3190*	6·0	57·96 57·77	− 0·65	+ 2·9
3203	6·0	61·23 58·92	− 0·04	+ 0·7
			9h	
3223	5·0	57·92 60·46	− 0·39	− 1·4
3316	6·0	61·33 58·81	− 0·28	+ 0·1
3392	6·0	58·77	...	− 0·1
3402	6·0	56·46 56·44	− 0·07	− 1·0
3419	5·5	58·79	...	− 2·2
3432	7·0	58·87	...	− 2·8
3437†	5·0	58·96	− 0·72	...
3444	6·0	56·88	− 0·11	...
3479	7·1	58·92 58·78	− 0·21	− 0·7
3501	6·5	57·75 57·76	− 0·33	0·0
3521	5·8	57·92 57·96	− 0·22	− 1·0
3533	7·0	61·00	− 0·10	...
3549	6·5	63·00	− 0·11	...
3558†	6·0	58·88 58·78	− 0·45	− 0 4
3623	7·8	62·27	− 0·30	...
			10h	
3626	6·5	58·87	...	− 0·8
3649	5·2	63·05 58·89	0·00	− 0·9
3675	6·0	58·96 58·88	− 0·28	− 3·6
3707	6·5	60·14	− 0·17	...
3729	6·0	60·53	...	+ 2·9
3818	7·7	62·34	− 0·21	...
3832	6·5	60·39	− 0·21	...
3930†	6·8	60·11	− 0·39	...
3958	5·0	59·57 56·27	+ 0·10	+ 0·7
			11h	
4042†	6·0	62·90 58·90	− 0·81	+ 1·7
4115	6·5	56·84	− 0·08	...
4188†	7·1	57·86 57·90	− 0·60	− 2·4
4192	5·8	57·78 57·90	+ 0·11	− 3·6
4252	6·0	57·91 58·03	− 0·41	+ 0·4
4281	5·0	57·90	...	+ 0·7
4331	6·7	58·99 58·80	− 0·09	− 1·5
			12h	
4385	6·0	61·31 58·91	− 0·15	− 2·4
4388	6·0	56·81 56·86	− 0·11	− 3·7
4402	8·5	62·04	− 0·34	...
4492	5·5	61·95 58·87	− 0·33	− 2·5
4496*	6·5	58·86 58·85	− 3·91	− 5·5
4502	4·5	58·83	...	− 1·4
4546	6·0	56·17	...	− 1·1
4560	4·0	60·95	...	− 1·1
4586†	6·0	58·88 58·79	− 0·59	− 3·1
4661†	6·5	59·74	− 1·15	...
4666	6·0	56·78 56·80	− 0·30	...
4676	5·8	59·07 59·01	− 0·19	− 2·6
4721	7·0	56·30	− 0·01	...
			13h	
4763	6·0	59·32	— 0·44	...
4765†	5·5	56·51 60·43	− 0·76	− 2·3
4778	6·8	59·09 58·83	− 0·24	− 2·2
4868	5·8	58·83	...	− 1·9
4916	6·3	61·81	— 0·08	...
4972	5·2	60·98 58·95	− 0·06	− 2·3
5003	6·0	57·85 57·97	− 0·16	− 2·0
5044	4·5	58·08 62·25	− 0·10	− 1·8
5066	5·0	57·91 60·83	− 0·02	− 2·3
5085	5·0	56·06 60·26	− 0·20	− 1·9
			14h	
5170‡	6·0	57·81	...	− 5·2
5208†	5·0	63·91 62·38	− 0·59	− 2·6
5249	5·0	62·56 63·58	− 0·29	− 1·1
5278	4·5	58·87	...	− 2·1
5288‡	7·0	57·78	...	−13·2
5332	7·0	57·95 57·83	− 0·48	− 1·2
5334	6·5	59·04	− 0·04	...
5362	7·0	59·43	− 0·36	...
5440	4·0	62·37 62·87	− 0·14	− 2·2
			15h	
5470	5·0	58·12 58·26	− 0·18	− 1·1
5490	5·2	58·01 57·88	− 0·16	− 0·6
5509	6·0	57·03 59·06	− 0·11	+ 0·1
5529	6·0	56·03 56·02	− 0·30	− 1·7
5545*	7·0	60·83 57·83	− 9·99	−15·8
5547*	6·0	57·96 57·84	− 0·86	− 9·2
5631	5·0	57·94 58·25	− 0·06	− 3·0
5647*	4·7	56·59 58·04	− 0·92	+ 3·8
5666*	5·2	60·94 62·23	− 1·00	−16·1
5723	7·5	61·85	+ 0·19	...
5734	8·0	60·44	...	− 1·5
5771‡	7·8	61·91	...	−11·2
5779	5·5	59·16	− 0·27	...
5816	5·0	62·18 62·35	− 0·01	+ 1·0
			16h	
5822	7·0	58·97	+ 0·05	...
5846*	6·5	56·00 56·05	− 0·65	− 7·3
5888	6·0	56·00 55·92	− 0·09	− 0·5
5899	7·3	57·79	− 0·12	...
5905	6·0	58·92 58·85	− 0·06	− 2·0
5907†	6·5	60·85	...	− 1·5

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1840.

No. 1900.	Mag.	1900—1840. ΔEp.	Δα	Δδ
		y	s	″
5981	7·3	63·03	...	− 0·6
5996	6·0	56·43 56·59	− 0·08	− 1·3
6044	6·0	56·72 57·03	− 0·16	− 2·3
6098	5·5	56·50 56·30	+ 0·05	− 1·5
6108	6·8	58·96	− 0·13	...
6137‡	6·5	63·07	...	− 6·1
			17h	
6193	5·8	57·85 57·88	− 0·28	− 2·6
6338	5·2	60·56	− 0·28	...
6365*	5·5	58·90 59·01	+ 0·72	−10·2
6371	6·5	57·94	...	− 2·6
6393	7·4	58·02	− 0·12	...
6428	5·8	56·02 55·95	− 0·05	− 1·6
6469	5·3	55·27 56·37	− 0·07	− 1·1
6489	7·5	62·82	− 0·19	...
6510	4·0	63·42 62·84	− 0·04	− 3·2
6514	6·0	58·68	− 0·07	...
			18h	
6535	6·5	57·87	− 0·04	...
6619	5·8	58·06	− 0·10	...
6634	4·0	63·97 63·56	+ 0·05	− 3·2
6646†	4·5	58·79	+ 0·86	...
6661	6·0	58·07	− 0·08	...
6700	7·2	62·87	...	− 2·4
6703	6·5	62·90	+ 0·06	...
6754	5·5	56·06	+ 0·06	...
6758	5·5	56·08	+ 0·06	...
6845	7·2	58·68	+ 0·02	...
			19h	
6902	7·1	63·03	...	− 0·8
6909	6·0	58·19	− 0·14	...
6956	4·0	56·02	− 0·14	...
6979	8·2	63·10	...	− 0·9
7006	6·0	57·93	− 0·32	...
7015	5·5	58·68	− 0·11	...
7101	7·0	61·91	+ 0·08	...
7131	5·0	57·01	+ 0·04	...
			20h	
7377*	3·0	62·92 62·68	+ 0·31	+ 3·1
7452	5·0	61·06 58·01	+ 0·24	− 0·3
7461	5·6	62·20	− 0·01	...
7478	5·0	53·05	+ 0·16	...
7508†	6 0	62·29	− 0·57	...
7509	7·3	59·98	− 0·08	...
7544	6·0	56·13	+ 0·13	...
			21h	
7638	6·0	61·64	+ 0·28	...
7645	6·0	56·50	− 0·14	...
7662†	5·8	56·65	− 0·56	...
7783†	5·8	61·83	+ 0·95	...
			22h	
7930†	6·5	56·79	+ 2·68	...
7981†	6·0	57·92	+ 1·03	...
8017	4·7	57·69 62·74	− 0·26	− 0·3
8059	6·8	56·48	− 0·18	...
8090	6·5	57·81	− 0·11	...
8091†	2·0	57·87 61·67	+ 0·78	− 2·2
8108	6·0	62·01	− 0·29	...
8126*	4·0	61·42 64·59	+ 0·57	− 4·0
8157†	6·0	58·90	+ 1·35	...
			23h	
8233	4·0	57·90 63·35	− 0·19	− 2·2
8247	7·0	56·39	− 0·07	...
8306	6·2	63·07	+ 0·20	...
8323	7·0	56·72	− 0·15	...
8345	6·0	63·04	+ 0·05	..
8366	6·5	61·84	+ 0·14	...
8387	4·8	58·53 61·04	+ 0 07	− 0·3
8451	6·5	56·94	+ 0·33	...
8458	5·0	62·96	− 0·08	...
8479	7·0	57·73	− 0 22	...
8542	6·0	59·28	− 0·21	...

CAPE 1900—CAPE 1850.

No. 1900.	Mag.	1900—1850. ΔEp.	Δα	Δδ
			0h	
		y	s	″
4*	7·5	45·18 45·85	+ 0·30	− 4·1
25*	4·0	45·94 47·51	+ 0·44	− 9·4
38†	6·5	45·32 46·58	− 0·42	− 2·1
61	7·5	44·43 46·09	− 0·07	− 2·4
78	6·5	45·18 45·90	− 0·04	+ 0·8
110*	7·0	46·99 48·34	+ 2·61	−11·9
119	4·0	45·81 47·35	+ 0·45	+ 2·9
131†	6·5	47·10 48·72	+ 0·79	− 0·8
138	7·0	45·42 46·44	− 0·06	+ 0·1
142	6·5	44·43 46·19	− 0·05	+ 1·2
143	6·5	44·36 45·44	− 0·01	− 3·3
144†	5·8	47·96	+ 0·50	...
165	7·0	45·10 45·93	+ 0·20	+ 1·9
173‡	5·8	47·00 48·38	+ 0·21	− 5·5
197	6·5	46·80 47·62	+ 0·15	+ 0·5
201	8·3	44·15 45·70	− 0·02	+ 1·8
203	5·0	46·67 47·35	− 0·29	− 0·6
225*	6·5	44·27 45·85	− 0·36	− 5·2
228	7·5	46·97 49·11	+ 0·32	+ 0·4
235*	6·0	47·65 48·74	+ 0·82	+ 4·3
246	6·6	46·79 47·61	− 0·21	+ 0·3
253	7·0	44·99 45·62	− 0·03	+ 1·9
262	5·5	46·87 48·65	+ 0·18	+ 2·4
330	5·5	47·20 48·13	− 0·13	+ 0·6
			1h	
347	4·0	46·72 47·51	− 0·17	− 0·4
355*	7·0	45·03 45·60	+ 0·33	− 3·5
418	7·0	44·95 45·49	− 0·32	+ 1·5
435†	7·3	47·42 47·73	+ 0·55	+ 2·9
440	6·5	46·87 47·66	+ 0·29	+ 4·0

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1850.

No. 1900.	Mag.	1900—1850. ΔEp.	Δα	Δδ
		y	s	″
446‡	7·0	45·33 46·11	− 0·14	− 4·0
452	7·0	46·01 47·57	− 0·03	+ 0·4
484*	4·0	48·18 48·64	+ 0·59	+ 6·8
485	7·4	48·02 49·02	− 0·25	− 3·9
487	6·0	46·93 47·66	− 0·21	− 0·7
504‡	7·8	46·64 47·62	+ 0·27	+ 5·1
516	7·0	47·68 48·38	− 0·35	+ 1·6
522	7·3	46·90 47·55	− 0·06	+ 0·6
526†	7·0	45·16 45·78	− 0·41	− 0·5
542	7·1	47·99 48·56	− 0·18	+ 0·2
564	6·0	47·94 48·62	+ 0·11	− 0·8
571	6·5	45·20 45·92	− 0·06	+ 2·1
587*	6·0	47·87 48·68	+ 0·54	+ 4·4
592	6·5	45·41 46·08	− 0·03	− 0·8
607*	4·5	47·09 47·58	− 0·59	− 4·9
609	5·5	45·22 45·68	− 0·31	− 2·2
629	5·0	46·59 47·41	+ 0·47	+ 1·1
632	7·0	45·20 45·66	+ 0·10	− 0·6
642*	6·0	46·06 46·64	− 0·54	− 5·9
652	5·7	47·05 48·08	− 0·17	− 1·4
		2h		
685	6·5	45·07 45·69	− 0·22	− 0·5
695	6·5	45·68 46·31	+ 0·04	− 0·8
698	6·5	46·78 47·51	− 0·01	+ 0·7
766‡	6·8	45·58 46·91	+ 0·08	+ 3·6
774	6·0	47·67 48·43	+ 0·11	− 4·0
780*	6·0	45·15 45·88	+ 0·78	+ 5·9
823	7·7	47·03 47·66	− 0·50	− 1·6
835	6·5	47·69 48·40	− 0·21	− 1·0
865	5·0	46·16 46·67	+ 0·07	− 1·0
869†	4·5	45·49 45·71	+ 0·30	− 1·3
884*	5·5	47·29 48·31	+ 1·57	+11·3
888	6·5	45·79 46·26	− 0·28	+ 0·9
901	7·0	47·26 47·70	− 0·20	− 1·6
902	7·0	45·92 47·17	− 0·14	− 2·4
922	7·9	47·09 47·69	+ 0·07	− 1·0
927	6·7	46·23 46·65	− 0·07	0·0
941	6·5	45·41 45·65	+ 0·09	− 1·0
995	7·5	46·98	− 0·27	...
1000	7·0	46·74 47·14	+ 0·01	− 1·3
		3h		
1010*	7·5	48·08 48·59	+ 0·35	+ 5·7
1040	6·5	48·16 48·47	+ 0·01	− 0·9
1048	6·5	46·79 47·36	+ 0·32	− 1·1
1079	6·5	47·81 48·33	− 0·25	+ 1·1
1087†	4·5	45·21	+12·53	...
1122	6·5	47·93 48·50	− 0·02	+ 1·1
1139	7·3	46·98 47·49	+ 0·17	+ 2·5
1153	6·0	47·19 47·69	+ 0·46	+ 0·3
1167*	6·0	48·17 48·49	+ 0·36	+ 4·1
1181	7·1	46·84 47·43	+ 0·03	+ 2·3
1188‡	4·8	45·50 45·95	− 0·14	− 4·3
1212	7·3	45·21 45·72	− 0·17	+ 0·3
1221†	6·7	47·17 47·49	− 0·54	+ 0·7
1232	6·5	45·50 45·96	0·00	− 3·5
1239	5·8	46·34 47·04	− 0·24	− 1·8
1267	7·2	46·19	− 0·19	...
1291	7·3	45·21 45·79	− 0·16	+ 3·5
1292	7·3	46·05 46·80	+ 0·12	− 2·5
1295	6·0	44·99 45·72	− 0·01	− 0·2
1297	7·3	47·07	...	− 0·9
1322	7·0	47·79 48·45	+ 0·01	+ 1·9
		4h		
1368	7·0	47·40 47·61	+ 0·14	+ 1·8
1379	7·0	46·59 46·69	+ 0·19	+ 0·6
1399	7·0	46·89 47·17	+ 0·01	+ 0·4
1406	6·5	45·28 45·61	− 0·01	+ 0·8
1410‡	4·0	45·48 45·79	+ 0·14	−10·3
1441	5·5	46·68 47·08	+ 0·18	− 2·3
1468	7·3	46·56 46·85	− 0·21	− 1·4
1474	7·0	46·90 47·89	− 0·08	+ 3·8
1490‡	6·5	46·94 47·61	+ 0·02	−14·7
1496	7·3	45·26 45·64	− 0·28	− 0·3
1500	7·0	46·04 46·77	+ 0·06	+ 0·2
1509	5·5	46·00 46·80	− 0·21	− 0·1
1541	6·5	46·03 46·37	− 0·01	+ 2·1
1574	5·5	47·31 47·47	− 0·19	+ 2·5
1578	7·0	45·52 45·76	+ 0·10	+ 1·4
1607	7·0	47·21 47·70	0·00	+ 2·4
1632	6·8	47·39 47·53	− 0·32	− 0·8
		5h		
1693	6·0	47·60 48·13	− 0·39	+ 0·6
1701	5·5	47·91	...	− 0·4
1721*	7·3	44·77 45·29	− 0·47	+13·6
1727‡	7·6	45·95 46·38	+ 0·05	+ 5·4
1789	7·4	46·07 47·19	− 0·13	− 1·4
1801	8·3	46·72	...	+ 3·1
1804	7·2	46·99 47·71	− 0·06	+ 2·0
1821	6·8	46·13 46·81	− 0·15	+ 1·3
1833	8·0	46·07 46·81	− 0·11	+ 1·7
1853	7·1	46·81	...	− 1·4
1887	7·0	45·93 46·76	− 0·19	− 1·4
1938	7·0	46·14 46·58	− 0·14	+ 3·9
1950	6·8	45·98 46·55	− 0·22	+ 0·4
1956	7·0	45·04 45·70	− 0·27	+ 0·8
2004	6·5	47·67	...	+ 1·4
2013	7·2	46·13	+ 0·21	...
2027	7·5	47·14 47·74	− 0·08	+ 1·4
		6h		
2062†	7·0	47·02 47·69	− 0 79	− 0·8
2066	7·8	45·63 46·69	+ 0·02	− 2·6
2069	7·4	45·12 46·39	+ 0·31	+ 2·1
2071†	7·6	45·91 46·61	− 0·70	− 2·4
2077	6·0	44·56 45·23	− 0·28	− 0·6
2078	7·3	46·05 46·59	− 0·25	+ 3·1

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1850.

No. 1900.	Mag.	1900—1850. ΔEp.	Δα	Δδ
		y	s	″
2092	6·0	44·57 45·12	− 0·34	+ 2·5
2096	6·5	46·02 46·73	− 0·27	0·0
2147	7·0	47·01 47·66	− 0·20	− 0·3
2190	6·0	46·92 47·59	− 0·27	− 0·7
2207	8·0	44·61 44·81	− 0·02	+ 1·2
2226*	6·0	47·16 47·71	+ 0·23	+ 5·0
2244	7·6	44·58 45·31	− 0·18	− 1·8
2258‡	7·4	47·20 47·75	− 0·18	+ 6·0
2285	8·3	44·78 45·95	− 0·20	+ 0·5
2286	7·3	46·11	− 0·25	...
2323	7·5	46·26 46·43	− 0·20	− 0·9
2331	7·5	44·07 44·71	− 0·14	+ 1·6
2348	3·0	47·16 47·76	+ 0·02	− 4·5
2359	7·7	44·47 45·20	− 0·06	+ 0·6
2371	6·5	44·04 44·75	− 0·17	+ 1·4
2375‡	7·3	46·95 47·57	− 0·25	+ 9·6
2385	5·5	46·89 47·72	− 0·16	+ 1·2
2412	7·3	46·95 47·72	− 0·07	− 1·2
2421	7·0	44·76 45·16	− 0·19	− 0·4
		7h		
2442	7·0	44·21 44·79	− 0·33	+ 1·4
2458	6·5	47·10 47·75	− 0·19	+ 4·1
2464	7·8	46·91	− 0·02	...
2479‡	5·5	47·02	...	+ 9·1
2490*	5·0	46·01 46·77	− 0·75	+ 4·4
2497	5·5	45·98 46·45	− 0·28	− 5·1
2500*	5·7	46·01 46·63	+ 0·16	+15·3
2508	5·0	47·10	− 0·18	...
2509	6·5	45·89 46·63	− 0·16	− 1·7
2577	5·5	47·00 47·66	− 0·18	− 0·2
2605	7·1	47·26	− 0·16	...
2624	7·0	46·92	− 0·20	...
2631	7·0	45·91	0·00	...
2643	6·0	46·89 47·72	− 0·03	+ 0·9
2651	6·0	46·13 48·08	+ 0·02	+ 0·4
2662	7·2	46·18 47·62	− 0·02	+ 0·8
2679‡	6·5	45·90 46·42	− 0·27	−25·6
2683*	6·0	43·22 45·04	+ 0·51	− 7·4
2710	7·7	46·03 46·51	− 0·22	+ 1·2
2715	5·9	45·89 46·45	− 0·18	− 0·1
2730	4·0	45·75 46·54	− 0·19	− 0·7
2734	7·0	47·04 47·70	− 0·41	− 3·0
2755	5·0	47·11 47·56	− 0·10	+ 0·2
2782	7·4	46·03 46·64	− 0·22	+ 0·4
2813	7·4	45·81 46·32	+ 0·01	+ 0·2
		8h		
2823†	7·3	47·02 47·56	− 0·49	− 1·7
2834	7·2	45·98 46·66	− 0·13	− 0·9
2846	7·0	46·90 47·66	+ 0·20	− 0·1
2860	5·9	45·77 46·58	− 0·07	− 0·9
2925	7·3	45·93 46·76	− 0·04	− 0·6
2935	7·3	47·04 47·65	− 0·30	+ 2·1
2947	5·7	47·02 47·65	− 0·13	− 0·2
2974	7·3	46·90 47·59	− 0·14	− 0·5
2989	6·5	43·66 44·63	− 0·14	− 0·2
2998	7·0	45·77 46·79	− 0·21	+ 0·1
3016	7·4	45·88 46·89	− 0·13	− 1·1
3036	6·5	47·09 47·74	− 0·21	− 0·5
3064	6·5	45·97 46·55	− 0·11	+ 0·7
3069	6·5	46·16 47·41	0·00	+ 1·5
3070	5·0	45·99 46·56	− 0·16	− 0·5
3073	6·0	45·13 46·39	− 0·05	− 0·3
3075	6·0	46·61	...	− 1·3
3089†	6·0	46·92 48·01	+ 0·29	+ 1·0
3133	5·5	46·00 46·72	− 0·11	− 1·4
3140	7·0	44·14 44·73	− 0·18	+ 1·1
3156†	6·0	45·94 46·46	− 0·57	− 2·8
3166	7·0	46·01 47·00	− 0·12	+ 0·6
3181	6·5	47·01 47·99	− 0·25	− 2·7
3190†	6·0	45·92 46·65	− 0·56	+ 1·6
3191	7·8	45·95 47·00	− 0·33	− 2·0
3196	7·5	47·09 48·01	− 0·07	− 0·6
3203	6·0	47·06 47·54	− 0·03	+ 0·6
		9h		
3223	5·0	46·56	...	− 1·8
3281	7·0	44·31 44·87	− 0·25	+ 2·4
3283	6·5	45·92 46·48	− 0·13	− 0·4
3296	7·3	46·01 46·41	− 0·18	− 0 4
3302	6·0	44·56 45·17	− 0·23	...
3339	7·4	46·47	...	+ 0·7
3352	7·3	45·91 46·61	− 0·12	− 0·8
3369	8·4	46·78 47·49	− 0·02	+ 0·5
3392	6·0	46·91 48·04	− 0·17	+ 0 9
3401†	8·2	47·00	− 0·40	...
3402	6·0	44·61 45·53	− 0·09	− 0·2
3419	5·5	47·04	− 0·26	...
3437†	5·0	47·07 48·08	− 0·76	+ 1·0
3444	6·0	45·09 45·51	+ 0·01	− 2·0
3501	6·5	46·00 46·29	− 0·11	+ 0·2
3516	7·3	44·54 44·95	− 0·25	− 0·1
3521	5·8	45 91 46·45	− 0·18	+ 0·5
3531	7·3	45·81 46·56	− 0·29	+ 1·4
3533	7·0	46·62	...	− 1·6
3549	6·5	47·07 47·99	− 0·09	− 1·3
3558	6·0	46·86 47·98	− 0·16	+ 0·8
3576	6·5	46·01 46·63	− 0·25	− 2·0
3610	6·9	46·00	...	− 1·0
		10h		
3625†	7·0	43·84 44·91	+ 0·28	+ 0·4
3626	6·5	48·01	...	0·0
3632*	5·3	45·84 48·64	+ 0·38	− 3·8
3649	5·2	46·90 47·71	− 0·13	− 0·5
3675	6·0	46·85 47·14	− 0·28	− 1·9
3677	6·0	46·25 48·99	− 0·23	+ 0·6
3707	6·5	44·02 45·08	− 0·33	+ 0·4
3717	6·7	45·93 46·93	+ 0·10	− 1·2
3729	6·0	44·70	...	+ 2·6
3754	6·0	44·58 45·79	− 0·05	− 0·8

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1850.

No. 1900.	Mag.	1900—1850. ΔEp.	Δα	Δδ
		y	s	″
3879	3·0	48·25	...	− 2·9
3957	6·2	44·89 46·05	− 0·15	+ 0·2
3958	5·0	44·48 45·39	0·00	+ 0·7
			11h	
3988	6·5	47·92	...	+ 1·1
4002	7·6	46·88	− 0·09	...
4003‡	7·0	47·95	...	− 5·2
4011	7·2	48·86	...	− 0·8
4014‡	7·2	48·38	...	+ 5·8
4038†	7·0	45 89 46 86	− 0·51	− 0·2
4042†	6·0	46·93 47·64	− 0·71	+ 1·0
4102	7·4	45·98 46 91	− 0·37	− 0·7
4188	7·1	47·91	...	− 1·7
4192	5·8	47·21	...	− 2·3
4214	7·2	46·95 47·99	− 0·28	0·0
4252	6·0	46·03 48·00	− 0·38	− 0·2
4281†	5·0	45·95 46·98	− 0·50	+ 1·2
4282†	6·9	44·89 45·95	− 0·47	− 0·6
4318	7·0	48·10	...	− 0·7
4331	6·7	48·40	...	+ 0·2
4335	7·5	48·01	...	− 0·3
			12h	
4385	6·0	46·92 48·98	− 0·26	− 1·5
4388‡	6·0	45·99	...	− 3·4
4444	7·0	46·97 48·00	− 0·26	+ 0·3
4484†	6·5	44·79 45·80	− 0·70	− 0·9
4492	5·5	46·92 48·90	− 0·41	− 1·6
4502	4·5	46·96 47·93	− 0·37	− 1·0
4546	6·0	45·10	...	− 1·1
4560†	4·0	45·95 47·06	− 1·03	− 2·3
4586†	6·0	46·90 49·00	− 0·66	— 2·5
4661*	6·5	44·98 46·03	− 0·98	−11·3
4666	6·0	44·96 46·94	− 0·31	+ 0·1
4676	5·8	48·45	...	− 1·9
4721	7·0	44·55 46·32	− 0·14	− 1·3
4734	6·3	46·06	...	− 2·1
			13h	
4763	6·0	44·34 45·42	− 0·45	− 1·2
4765	5·5	44·55 45·60	− 0·49	− 2·0
4812	6·5	48·74	...	− 1·9
4854	7·4	47·01 47·72	− 0·31	− 1·5
4858	6·0	44·48 45·22	− 0·25	− 0·7
4868	5·8	46·96 47·78	− 0·22	− 1·3
4913	6·5	44·75 45·79	− 0·46	− 2·2
4916	6·3	46·01 47·09	− 0·22	− 1·8
4934†	6·8	46·96 48·14	− 0·66	+ 0·1
4959	6·5	44·51 45·25	− 0·17	− 0·1
4972	5·2	47·55	...	− 1·4
5003	6·0	45·89 47·12	− 0·22	− 1·6
5019	7·0	47·99	...	− 0·4
5044	4·5	45·98 47·89	− 0·34	— 0·6
5066	5·0	45·91 47·79	− 0·29	− 1·3
5085	5·0	44·04 45·11	− 0·08	− 1·4
			14h	
5094	7·0	47·03 49·12	− 0·38	− 2·6
5170	6·0	45·91 47·09	− 0·06	— 3·7
5208	5·0	46·04 48·05	− 0·09	+ 0·2
5249	5·0	47·04 48·98	− 0·35	− 0·7
5259	7·0	44·09 45·14	− 0·41	− 0·8
5268	6·5	44·55 46·51	− 0·29	+ 0·9
5278	4·5	47·00 48·96	− 0·25	− 1·3
5288*	7·0	45·93 46·99	− 1·06	−10·9
5332	7·0	45·97 46·76	− 0·47	− 2·8
5440	4·0	46·06 47·48	− 0·05	− 2·0
5470	5·0	46·84 47·53	− 0·01	− 0·4
			15h	
5490	5·2	46·23 47·43	− 0·24	− 0·9
5495	8·0	44·67	− 0·08	...
5509	6·0	44·87 46·37	− 0·19	+ 1·1
5510	7·0	44·33 45·92	− 0-10	− 0·1
5529	6·0	44·05 46 20	− 0·18	− 0·9
5547*	6·0	46·46 47·50	− 0·65	— 6·5
5631	5·0	45·84 47·52	− 0·08	+ 0·2
5647*	4·7	44·59 46·57	− 0·79	+ 2·4
5666*	5·2	45·84 47·75	− 0·93	−11·2
5678	7·4	47·32 48·40	− 0·19	− 0·4
5723	7·5	45·77 47·77	+ 0·06	− 0·7
5728†	7·3	45·94 48·16	− 0·67	− 1·5
5735	7·3	45·88 48·39	− 0·03	− 0·6
5765*	6·8	46·00 48·20	− 0·59	− 5·7
5779	5·5	43·99 45·46	− 0·30	− 0·7
5816‡	5·0	45·84 47·17	− 0·19	+ 2·5
			16h	
5822	7·0	46·92 49·23	− 0·11	− 1·0
5846*	6·5	44·00 45·95	− 0·49	− 5·8
5885	8·4	46·92 47 85	− 0·24	+ 1·6
5888	6·0	44·02 45·62	− 0·12	− 0·3
5899	7·3	45·80 47·38	− 0·16	− 2·0
5905	6·0	46·94 48·53	− 0·17	− 1·8
5907	6·5	44·77 46·43	− 0·34	− 0·5
5996	6·0	45·32 45·98	− 0·01	− 0·1
6014	7·5	46·86	+ 0·04	...
6022	6·0	48·19	...	+ 0·3
6044	6·0	44·65 46·75	− 0·29	− 0·9
6087	7·0	43·96 45·32	− 0·18	− 0·1
6090	8·1	44·49	− 0·19	...
6098	5·5	44·12 45·77	− 0·09	+ 0·8
6108	6·8	48·87 48·37	− 0·12	− 2·1
6109	7·0	44·92 47·07	− 0·28	− 0·4
6116	7·0	46·88 46·93	− 0·02	− 0·5
6169	6·5	44·16 45·68	− 0·06	+ 1·7
			17h	
6181	7·5	46·85 48·76	− 0·23	− 1 6
6193	5·8	45·70 47·90	− 0·15	− 1·6
6226	7·0	44·94 46·51	− 0·11	− 0·7
6236	7·5	48·91	...	− 1·7
6271	6·0	45·80 47·40	− 0·22	− 0·4
6287	7·0	46·93 48·46	− 0·19	− 1·5
6289	7·8	45·86 47·53	− 0·07	− 0·5
6290	6·8	46·99 48·59	− 0·07	− 1·0
6328	7·0	46·96 48·43	− 0·26	+ 1·1

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1850.

No. 1900.	Mag.	1900—1850. ΔEp.	Δα	Δδ
		y	s	"
6338	5·2	45·72 47·24	− 0·30	− 2·0
6365*	5·5	46·85 48·40	+ 0·34	− 8·9
6371	6·5	45·92 47·48	− 0·14	− 0·4
6428	5·8	43·94 45·53	+ 0·01	− 0·4
6431	7·0	45·63 46·81	− 0·13	− 0·6
6459	5·0	45·68 47·41	− 0·17	− 0·3
6469	5·3	44·19 45·73	− 0·20	+ 0·2
6510	4·0	46·89 48·59	− 0·14	− 0·9
6514	6·0	43·96 45·54	− 0·03	− 4·6
		18h		
6535	6·5	45·85 47·35	− 0·12	− 2·9
6546	7·4	48·78 48·10	− 0·06	− 3·4
6568†	7·0	45·70 47·25	+ 0·17	+ 1·4
6572	6·5	48·49	...	− 1·3
6619	5·8	45·88 46·77	− 0·19	+ 0·1
6634	4·0	45·93 48·21	− 0·18	− 3·0
6646*	4·5	46·78 48·32	+ 0·60	−11·9
6661	6·0	45·89 47·59	− 0·06	− 2·3
6703	6·5	46·84 48·38	− 0·11	+ 0·2
6745	7·3	46·68 48·12	− 0·16	− 1·5
6748	7·8	46·73 48·27	− 0·05	− 0·9
6754	5·5	44·02 45·54	− 0·10	− 1 3
6758	5·5	44·94 45·57	+ 0·20	− 0·2
6776	7·0	44·39 46·02	− 0·19	− 1·3
6794	7·2	46·74 48·38	− 0·17	− 2·1
6856	6·5	47·65 48·33	− 0·22	− 1·9
		19h		
6909	6·0	45·88 46·94	− 0·07	0·0
6943	6·5	46·66 48·27	+ 0·18	− 0·2
6956*	4·0	44·15 45·70	+ 0·25	− 5·8
7006	6·0	45·99 47·41	− 0·09	− 1·3
7015	5·5	46·60 49·10	− 0·12	− 2·1
7100	7·0	45·86 47·21	− 0·14	− 1·6
7103	8·0	44·02 46·01	+ 0·14	− 0·4
7115	6·0	44·87 46·12	+ 0·17	− 0·4
7131	5·0	44·95 46·48	0·00	+ 2·9
7162	6·5	44·92 46·48	− 0·18	− 0·2
7163	6·0	45·91 48·27	− 0·08	0·0
		20h		
7219	7·2	45·89 47·45	− 0·02	+ 0·3
7237‡	6·3	44·65 46·32	− 0·25	− 6·1
7267	7·0	44·10 45·59	0·00	− 3·2
7272	8·0	45·72 47·31	+ 0·04	+ 0·6
7292	5·8	44·98 45·50	+ 0·06	− 3·7
7297	6·0	44·16 45·69	0·00	+ 0·8
7357	5·8	45·91 47·92	− 0·03	− 1·6
7377*	3·0	46·06 47·55	+ 0·08	+ 1·7
7384	8·4	45·74 47·31	+ 0·26	− 1·2
7393	8·2	45·79 47·39	− 0·12	− 0·7
7404	6·9	45·71 47·43	− 0·12	+ 0·8
7452	5·0	46·00 47·48	+ 0·16	+ 0·9
7461	5·6	47·00 49·13	− 0·13	− 0 9
7478	5·0	45·17 46·51	+ 0·09	− 3·7
7508‡	6·0	49·11	...	+ 6·5
7509	7·3	44·26 45·60	− 0·09	0·0
7529	7·0	47·29 48·87	− 0·11	− 0·6
7544	6·0	44·07 45·55	− 0·11	− 0·3
		21h		
7550	6·5	46·99 48·51	− 0·03	− 2·2
7551	6·0	45·91 47·50	+ 0·16	− 1·5
7563	7·0	44·18 46·15	− 0·07	− 0·1
7602	7·0	47·02 47·95	− 0·24	− 4·1
7614	6·5	45·88 47·37	− 0·09	− 3·2
7638	6·0	45·70 47·34	+ 0·10	− 1·4
7645	6·0	44·62 46·16	− 0·09	+ 0·4
7662	5·8	44·54 46·09	− 0·39	+ 0·2
7690	6·0	44·72 46·50	− 0·04	+ 0·6
7752†	7·0	44·49 45·95	+ 0·66	− 1·8
7783*	5·8	45·76 47·43	+ 0·65	−15·1
7785	7·0	46·99 48·66	− 0·09	+ 0·3
7791	7·8	45·96 47·27	+ 0·02	− 3·4
		22h		
7920	8·0	46·88 48·47	+ 0·19	+ 0·4
7930*	6·5	44·82 46·37	+ 2·04	−35·5
7981†	6·0	46·26 47·61	+ 1·06	− 2·4
7984	7·0	47·98	...	− 0·2
8037	7·5	45·20 46·59	− 0·21	+ 1·5
8057	7·0	47·12 48·55	− 0 01	− 0·3
8059	6·8	44·78 46·59	+ 0·07	− 2·3
8066*	7·5	46·12 47·68	+ 0·42	− 3·7
8075	7·5	47·76 48·49	+ 0·28	− 2·6
8090‡	6·5	45·85 47·13	− 0·01	−16·1
8091†	2·0	45·92 47·30	+ 0·53	− 2·0
8093	6·5	45·99 47·59	+ 0·15	+ 2·0
8097	6·0	44·75 46·09	− 0·07	− 3·2
8108	6·0	46·04 47·46	− 0·27	− 0·8
8112†	6·5	47·14 48·46	+ 0·94	− 1·9
8117*	7·0	47·13 48·59	+ 0·37	−13·5
8126†	4·0	46·99 48·49	+ 0·45	− 2·8
8154	7·5	45·97 47·43	+ 0·21	− 1·4
8157*	6·0	47·90 48·60	+ 1·02	− 3·5
8176	6·0	47·44 48·49	− 0·18	− 0·8
8204	7·3	46·95 48·10	− 0·25	− 1·5
8214	6·0	45·59 46·29	− 0·01	+ 2·9
		23h		
8233	4·0	46·96	− 0·26	...
8234	6·5	47·50 48·31	+ 0·11	− 1·3
8246†	6·0	44·54 45·65	− 1·38	− 0·6
8247	7·0	44·47 45·92	− 0·05	− 1·4
8249†	4·0	45·70 47·33	+ 0·63	− 1·9
8306	6·2	47·82 48·35	+ 0·25	− 3·2
8321	7·1	45·39 46·01	− 0·17	− 0·2

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1850.

No. 1900.	Mag.	1900—1850. ΔEp.	Δα	Δδ
		y	s	″
8323	7·0	45·88 46·34	− 0·06	+ 0·4
8345	6·0	47·87 48·74	− 0·08	+ 0·5
8351	7·0	47·05 47·56	0·00	− 0·5
8366	6·5	46·88 48·10	− 0·07	− 0·8
8387	4·8	45·12 45·83	+ 0·06	− 0·7
8427	7·2	45·33	− 0·01	...
8438†	6·2	46·87 47·83	+ 1·40	+ 0·3
8451	6·5	46·09 46·67	+ 0·32	− 0·3
8458	5·0	48·01 48·67	− 0·10	+ 0·6
8479	7·0	46·87 47·55	− 0·04	+ 1·4
8485	7 0	45·25 46·00	− 0·05	− 2·5
8495	7·9	47·84 49·06	+ 0·20	+ 0·8
8542	6·0	47·83 48·66	− 0·13	+ 1·1
8544	5·8	48·08 48·69	− 0·19	+ 1.0
8546	7·0	45·22 45·90	+ 0·25	+ 0·1
8548	7·5	45·99 47·03	+ 0·31	− 1·7

CAPE 1900—CAPE 1860.

No. 1900.	Mag.	1900—1860. ΔEp.	Δα	Δδ
		0h		
		y	s	″
25*	4·0	38·89 39·03	+ 0·51	− 6·7
203	5·0	38·67	+ 0·01	+ 0·7
347	4·0	38·80	− 0·09	+ 0·4
		1h		
484*	4·0	39·95	+ 0·59	+ 6·1
607	4·5	38·85 38·86	− 0·26	− 2·6
609	5·5	37·04	+ 0·05	− 1·4
652	5·7	38·88	− 0·13	− 1·6
		2h		
795	4·0	39·72	+ 0·08	+ 0·5
823	7·7	38·90	− 0·20	− 0·4
865	5·0	37·97 37·99	+ 0·29	− 0·5
869†	4·5	37·24	+ 0·45	− 0·7
902	7·0	37·92	+ 0·12	− 0·1
		3h		
1087*	4·5	37·00	+10·28	+28·3
1188	4·8	37·24	− 0·10	− 0·8
		4h		
1410‡	4·0	37·25 37·26	+ 0·22	− 8·1
1441	5·5	38·32	+ 0·26	− 1·3
1509	5·5	38·03	+ 0·01	+ 0·5
1574	5·5	39·00	− 0·26	+ 1·3
		5h		
1950	6·8	37·95	− 0·07	+ 1·0
		7h		
2730	4·0	37·91	− 0·07	+ 0·2
2755	5·0	39·10	...	+ 1·1
		8h		
2947	5·7	38·91 38·93	+ 0·07	+ 0·4
3223‡	5·0	37·99	− 0·03	− 4·5
		9h		
3316	6·0	38·90 38·89	− 0·16	+ 1·6
		10h		
3729	6·0	36·04	− 0·11	+ 2·1
3879†	3·0	38·98 38·97	+ 0·27	− 1·6
		12h		
4492	5·5	41·79	− 0·30	− 0·3
		13h		
4765	5·5	36·50	− 0·35	− 2·0
5066	5·0	37·98	+ 0·14	− 2·2
5085	5·0	35·95	+ 0·04	− 2·4
		14h		
5440	4·0	37·94	+ 0·07	− 1·0
5470	5·0	38·06	+ 0·03	− 1·6
		15h		
5647	4·7	36·59	− 0·14	+ 1·8
5666*	5·2	37·83	− 0·59	−10·3
5816	5·0	38·04	...	+ 0·8
6098	5·5	**16h** 36·36	− 0·03	− 2·0
		17h		
6271	6·0	41·94	...	− 1·0
6428	5·8	40·06	...	− 0·5
6505	8·0	38·20	+ 0·03	− 1·2
6510	4·0	38·90 38·99	+ 0·06	− 0·1
6514‡	6·0	40·09	...	− 4·0
		18h		
6585	6·8	37·35	− 0·05	− 0·9
6619	5·8	39·50	+ 0·02	− 0·6
6634	4·0	37·90	+ 0·34	− 2·2
6646*	4·5	39·39	+ 0·56	−10·2
6661	6·0	37·85	− 0·11	− 1·5
6663	8·5	39·02	− 0·13	− 0·8
6774	6·0	39·10	+ 0·12	− 1·0
6782	7·3	39·09	− 0·07	− 1·3
6788‡	9·1	39·19	− 0·02	− 4·8
6821	7·8	40·26 40·25	− 0·10	− 0·7
6845	7·2	39·93	+ 0·18	− 1·3
		19h		
6956‡	4·0	36·61	+ 0·27	− 4·7
6989	8·9	40·21	+ 0·08	− 0·7
7009	9·6	40·14 40·13	+ 0·13	− 0·9
7031†	9·4	39·97	+ 0·30	− 1·8
7131	5·0	38·05 38·04	+ 0·09	+ 1·8
		20h		
7377*	3·0	38·41 38·35	+ 0·24	+ 1·5
7461	5·6	39·44	− 0·01	− 1·2
7544	6·0	36·52	+ 0·15	− 1·1

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1860.

No. 1900.	Mag.	1900—1860. ΔEp.	Δα	Δδ
		21h		
		y	s	″
7690	6·0	37·12	+ 0·06	+ 2·7
7752†	7·0	37·07 37·20	+ 0·79	− 2·1
		22h		
7930*	6·5	37·87	+ 1·70	−29·5
8017	4·7	38·73	− 0·16	+ 1·4
8075	7·5	41·89	+ 0·28	− 2·5
8091	2·0	38·45	+ 0·50	− 0·2
8126†	4·0	39·85	+ 0·59	− 2·0
8233	4 0	38·71	− 0·13	− 0·5
		23h		
8249†	4·0	38·54 38·45	+ 0·64	− 0·8
8363	6·8	36·53 36·85	− 0·08	− 2·5
8387	4·8	36·75 36·79	+ 0·09	− 0·7
8438†	6 2	38·67 38·83	+ 1·23	+ 1·2

CAPE 1900—1865.

No. 1900.	Mag.	1900—1865. ΔEp.	Δα	Δδ
		0h		
		y	s	″
119	4·0	30·82	+ 0·25	+ 0·5
165	7·0	29·14 29·23	+ 0·23	+ 0·4
203	5·0	30·81 30·85	− 0·01	− 0·4
246	6·6	29·77	− 0·08	+ 1·4
262	5·5	32·22	+ 0·19	+ 1·9
		1h		
452	7·0	30·97	− 0·03	0·0
484*	4·0	32·92	+ 0·39	+ 5·6
485	7·4	30 94	− 0·08	− 2·6
504	7 8	30·94	+ 0·20	+ 3·0
571	6·5	29·21	+ 0·11	+ 1·7
607*	4·5	31·10	− 0·28	− 2·6
609	5·5	29·97 29·74	− 0·16	− 0·6
642	6·0	29·98	− 0·17	− 3·1
		2h		
685	6·5	29·00	− 0·10	+ 0·1
766	6·8	29·62	+ 0·25	+ 1·7
823	7·7	31·92	− 0·36	+ 1·0
835	6·5	31·73	+ 0·13	− 0·9
902	7·0	30·96	− 0·17	− 1·5
922	7·9	31·00	+ 0·04	− 0·4
941	6·5	29·19	+ 0·01	+ 0·8
		3h		
1010	7·5	31·85	+ 0·32	+ 2·4
1040	6·5	30·89	+ 0·20	− 0·5
1122	6·5	31·74	− 0·01	+ 1·6
1139	7·3	29·93	+ 0·14	+ 1·4
1167*	6·0	31·94	+ 0·24	+ 3·3
1181	7·1	30·10	+ 0·01	− 0·2
1212	7·3	29·01	− 0·10	0·0
1221	6·7	29·90 29·91	− 0·33	− 0 7
1267	7·2	28·94	− 0·10	− 3·1
1297	7·3	30·46	− 0·01	− 0·8
		4h		
1368	7·0	30·00 29·99	+ 0·11	+ 1·3
1379	7·0	29·34	+ 0·28	− 0·2
1468	7·3	29·31	− 0·02	− 0·7
1490‡	6·5	30·39	+ 0·14	− 9·2
1574	5·5	32·11	− 0·30	+ 2·6
1607	7·0	30·40	− 0·04	+ 1·6
		5h		
1701	5·5	32·12 33·33	− 0·10	+ 2·6
1721‡	7·3	28·70	− 0·20	+ 7·2
1789	7·4	29·25	− 0·11	+ 0·5
1801	8·3	29·99	− 0·16	+ 1·1
1804	7·2	30·99	0·00	+ 1·3
1821	6·8	30·09	+ 0·01	+ 0·6
1853	7·1	29·95 29·94	+ 0·15	+ 0·3
1950	6·8	34·01 33·52	− 0·20	+ 1·2
1956	7·0	28·99	− 0·05	− 1·8
2027	7·5	31·03	− 0·08	+ 0·9
2046	9·2	36·12	− 0·17	− 0·5
		6h		
2062†	7·0	31·01	− 0·41	− 1·2
2096	6·5	30·00	+ 0·05	− 1·1
2147	7·0	30·95	+ 0·04	+ 1·0
2207	8·0	28·23	− 0·02	+ 2·2
2359	7·7	28·46	− 0·05	0·0
		7h		
2458	6·5	31·00	− 0·06	+ 1·9
2490*	5·0	32·75	− 0·59	+ 3·4
2577	5·5	30·91	+ 0·13	0·0
2631	7·0	29·93	− 0 01	+ 1·2
2683*	6·0	32·46	+ 0·39	− 5·8
2730	4·0	31·12	− 0·24	+ 0·3
2755	5·0	37·09	− 0·12	+ 1·1
		8h		
2925	7·3	29·93	− 0·04	+ 0·4
2935	7·3	30·92	− 0·14	+ 2·6
2947	5·7	32·01	− 0·15	+ 0·3
3036	6·5	30·98	− 0·01	+ 1·1
3223	5·0	32·11	− 0·31	− 0·9
		9h		
3316	6·0	32·09	− 0·23	+ 1·6
3339	7·4	29·88	− 0·13	+ 0·5
3437†	5·0	32·14	− 0·54	+ 1·6
		10h		
3632	5·3	29·96	+ 0·18	− 1 0
3729	6·0	29·15	− 0·14	+ 1·1
3879	3·0	32·08	+ 0·30	− 2·1
		11h		
4158†	7·0	30·68	− 0·37	0·0
		12h		
4486	8·6	32·26	− 0·18	− 1·1
4502	4·5	32·17	− 0·10	− 1·4
4560†	4·0	30·86	− 0·76	+ 0·3
4586	6·0	30·94	− 0·33	− 0·5
		13h		
4765	5·5	29·40 29·38	− 0·36	− 1·8
4972	5·2	32·09	− 0·02	+ 0·3
5034	9·1	35·83	+ 0·05	− 1·5
5044	4·5	30·29	− 0·01	− 1·9
5085	5·0	29·14	+ 0·02	− 0 7
		14h		
5150	8·8	35·12	+ 0·16	− 1·0
5208	5·0	31·08	+ 0·07	+ 0·4
5249	5·0	32·13	− 0·28	− 0·2

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—1865.

No. 1900.	Mag.	1900—1865. ΔEp.	Δα	Δδ
			15h	
5278	4·5	32·13	− 0·11	+ 0·2
5327*	8·5	37·01	− 0·59	− 2·7
5440	4·0	31·08 31·06	− 0·31	− 0·4
5504	7·4	36·99	+ 0·07	− 1·5
5647	4·7	29·58 29·64	− 0·34	+ 0·9
5666*	5·2	30·85	− 0·60	− 7·8
5735	7·3	31·01	+ 0·04	+ 1·6
5816	5·0	30·82 30·81	− 0·07	+ 1·4
			16h	
6032	8·8	35·15	− 0·07	+ 0·6
6111	9·3	36·08	− 0·12	+ 0·5
			17h	
6236	7·5	30·92	− 0·10	− 1·2
6510	4·0	31·92	− 0·08	+ 0·3
			18h	
6634	4·0	31·53 31·86	− 0·01	− 2·1
6646*	4·5	34·67	+ 0·47	− 8·1
6661	6·0	30·91 30·90	− 0·02	− 0·2
6703	6 5	30·95	+ 0·05	+ 0·3
6748	7·8	30·83	− 0·12	− 0·2
			19h	
6956	4·0	29·01 28·99	+ 0·05	− 3·4
			20h	
7544	6·0	33·02	+ 0·05	− 1·3
			21h	
7690	6·0	29·80	− 0·12	− 0·5
7837	9·0	34·17	+ 0·05	0·0
7871	8·8	34·20	− 0·01	− 2·7
			22h	
7907	9·1	34·17	− 0·03	− 0·5
7930*	6·5	33·68	+ 1·72	−26·3
8017	4·7	34·72	− 0·12	+ 0·2
8075	7·5	30·74	− 0·11	+ 0·1
			23h	
8363‡	6·8	32·63	− 0·39	− 3·2
8438†	6·2	31·68	+ 0·69	+ 1·3
8458	5·0	30·82	− 0·17	+ 0·5

CAPE 1900—MELBOURNE 1870.

No. 1900.	Mag.	Cape—Melb. ΔEp.	Δα	Δδ
			0h	
25*	4·0	27·9	+ 0·36	− 6·0
119	4·0	27·7	+ 0·28	− 0·9
203	5·0	27·7	− 0·05	− 0·7
			1h	
347	4·0	27·9	− 0·11	+ 0·1
484*	4·0	28·9	+ 0·40	+ 3·7
609	5·5	27·0	− 0·09	− 1·4
652	5·7	30·7 29·9	− 0·15	− 0·9
			2h	
795	4·0	29·6	− 0·04	− 0·4
865	5·0	26·9	+ 0·18	− 2·8
869*	4·5	27·2	+ 0·31	− 3·1
			3h	
1087*	4·5	27·9	+ 7·78	+20·8
1188	4·8	27·2	− 0·07	− 1·6
1267	7·2	30·6	− 0·09	− 0·4
			4h	
1410‡	4·0	28·2	+ 0·08	− 7·2
1441	5·5	30·9 31·3	+ 0·12	− 2·9
1490	6·5	31·5 31·4	+ 0·12	− 9·6
1509	5·5	28·0	− 0·06	− 0·3
			5h	
1821	6·8	30·7	− 0·04	− 1·4
1853	7·1	30·7	+ 0·07	− 1·6
1938	7·0	30·5 30·4	+ 0·01	+ 2·1
			6h	
2348	3·0	35·0	+ 0 08	− 2·3
			7h	
2490*	5·0	28·9	− 0·46	+ 2·6
2497	5·5	27·9	− 0·07	− 3·8
2683*	6·0	31·0 30·6	+ 0·32	− 6·2
2730	4·0	28·9	− 0·03	− 0·7
			8h	
2974	7·3	34·9	+ 0·02	+ 0·9
3069	6·5	34·8	− 0·03	− 0·3
3181	6·5	34·9	− 0·07	0·0
3223	5·0	28·0	− 0·16	− 2·8
			9h	
3369	8·4	34·8	− 0 06	+ 1·1
3479	7·1	34·9	− 0·14	+ 0·9
			10h	
3729	6·0	25·9	− 0·05	+ 1·4
3879	3·0	30·0	+ 0·18	− 1·7
			12h	
4502	4·5	34·9	− 0·15	− 0·2
4560†	4·0	27·9	− 0·55	− 0·3
			13h	
4765	5·5	29·5	− 0·30	− 1·0
5044	4·5	27·8	− 0·03	− 1·1
5085	5·0	26·9	− 0·01	− 1·3
			14h	
5208	5·0	27·9	− 0·04	− 0·6
5249	5·0	29·9	− 0·07	0·0
5278	4·5	29·9	− 0·04	− 0·7
5440	4·0	27·9	− 0·03	− 1·8
			15h	
5470	5·0	27·9	− 0·05	− 1·2
5547*	6·0	29·0	− 0·30	− 3·1
5816	5·0	27·9	+ 0·07	− 0·2

* Attached to the No. indicates that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MELBOURNE 1870.

No. 1900.	Mag.	Cape—Melb. ΔEp.	Δα	Δδ
		16h		
		y	s	″
5899	7·3	30·8 31·5	− 0·02	− 1·1
5978	8·0	31·8 31·9	+ 0·06	+ 0·1
5996	6·0	30·0	+ 0·02	− 0·4
		17h		
6510	4·0	29·9	+ 0·02	− 1·0
6514	6·0	29·0	+ 0·10	− 1·9
		18h		
6529	7·9	31·5	+ 0·02	− 0·8
6634	4·0	31·5	− 0·02	− 2·0
6661	6·0	29·0 28·9	− 0·05	− 1·3
6776	7·0	29·4	+ 0·04	− 0·5
6909	6·0	19h 31·8	− 0·08	+ 0·1
6956	4·0	31·6 31·3	+ 0·10	− 3·9
7006	6·0	31 8	− 0·08	− 0·8
7131	5·0	32·5 32·3	+ 0·06	+ 1·4
7272	8·0	20h 30·7	+ 0·10	+ 1·1
7377*	3·0	34·8	+ 0·12	+ 1·2
7662	5·8	21h 31·6 31·7	− 0·15	− 0·1
7677	7·0	31 6	+ 0·16	− 1·8
7697	6·5	32·8	− 0·02	− 0·4
7744	9·0	32·8	− 0·02	+ 0·1
7791	7·8	32·8	+ 0·07	− 1·7
7880	8·0	34·1	+ 0·18	− 0·9
7903	7·0	22h 33·9	+ 0·36	− 1·4
7930*	6·5	27·7	+ 1·40	−23·1
7953*	8·8	34·0	+ 0·70	− 4·7
7985	8·0	34·0	+ 0·07	− 1·2
8017	4·7	28·7	− 0·11	− 1·0
8028	7·0	34·1	+ 0·18	+ 0·9
8091	2·0	28·9	+ 0·40	− 1·1
8097	6·0	29·6	+ 0·01	− 2·9
8126	4·0	29·9	+ 0·39	− 2·1
8233	4·0	27·8	− 0·05	− 1·2
8249	4·0	23h 28·7	+ 0·45	− 2·3
8274	6·3	29·0	+ 0·28	− 3·7
8387	4·8	26·9	+ 0·05	− 1·3
8451	6·5	31·5 29·9	+ 0·26	− 1·1

CAPE 1900—C.G.A., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		0h		
		y	s	″
2	7·5	20 96	− 0·05	− 0·7
4	7·5	19·85	+ 0·12	− 2·6
11	8·5	20·24	− 0·13	− 0·2
22	8·0	18·63	+ 0·14	− 0·6
35	7·7	20·00 20·18	+ 0·02	− 0·1
38	6·5	19·95	− 0·24	− 1·2
52	7·8	20·79	+ 0·03	− 0·3
61	7·5	20·75	− 0·09	− 2·5
63	8·0	20·33	− 0·08	− 1·4
78	6·5	22·61 22·70	+ 0·02	+ 0·2
82*	8·0	20·93	0·00	− 5·8
112	7·5	18·79 19·98	+ 0·13	− 0·7
120	7·0	22·25 22·05	− 0·20	− 1·4
138	7·0	23·32	− 0·06	+ 0·4
142	6·5	22·58	− 0·13	− 0·2
143	6·5	20·25	+ 0·12	− 1·6
148	9·1	17·03	+ 0·15	+ 0·2
165	7·0	20·36 20·45	+ 0·15	+ 0·5
171*	8·0	21·57	+ 0·16	− 4·2
177	8·5	14·01	+ 0·03	− 1·8
189	8·3	17·00	+ 0·03	− 1·9
191	8·0	20·58 20·68	− 0·11	− 0·8
193	7·5	20·42	− 0·03	− 0·7
195	8·5	16·68	+ 0·06	− 0·5
196*	8·5	21·82	− 0·34	− 4·1
201	8·3	18·95	− 0·13	+ 0·2
225	6·5	20·41	− 0·18	− 2·6
232	8·3	1h 20·99	0·00	+ 0·3
247	7·5	20·15	− 0·01	− 0·2
253	7·0	22·34	− 0·15	− 0·2
254	8·8	25·60	+ 0·06	− 0·3
260	8·9	16·80	+ 0·19	+ 0·2
270	7·9	20·24	− 0·01	− 0·6
280	9·0	16·03	+ 0·09	− 0·3
282	8·7	16·85	+ 0·05	− 0·3
286	9·0	15·98	+ 0·03	− 1 3
288	8·0	16·07	+ 0·07	+ 0·9
290	10·0	14·43	+ 0·03	− 0·5
291	8·0	15·97	+ 0·05	− 1·2
297	8·3	16·11	+ 0·05	− 1·6
301	8·0	17·03	− 0·08	− 0·4
333	7·0	22·15 21·90	− 0·10	+ 0·4
335	7·0	21·80	− 0·15	− 0·5
338	7·8	16·97	+ 0·07	− 1·7
339	7·0	21·04	− 0·08	− 0·4
348	7·0	22·50	− 0·11	+ 0·2
355*	7·0	19·72	+ 0·33	− 2·3
357	8·5	16·06	+ 0·13	− 0 1
363	7·7	17·59	+ 0·10	− 1·2
367	8·5	16·93	− 0·11	+ 0·9
372	8·0	16·02	+ 0·06	+ 1·2
389	7·5	20·76	+ 0·26	+ 0·3
390	7·5	16·03	− 0·08	+ 1·0
400	8·5	16·00	+ 0·09	+ 0·8
404	8·0	17·02	− 0·03	− 0·4
405	8·0	17·07	− 0·05	+ 0·8
410	9·5	15·97	+ 0·22	− 1·8
418	7·0	21h 21·00	− 0·03	+ 0·2
421	9·5	16·00	+ 0·01	− 1·1
444	7·5	20·19	+ 0·07	− 1·5
446	7·0	20·58	− 0·05	− 1·6
461	7·5	16·33	+ 0·07	− 0·2
463	6·5	22·24	+ 0·01	+ 0·2
488	8·0	20·42	− 0·13	− 0·5
489	9·0	15·95	− 0·07	− 0·3
502	8·5	16·00	+ 0·28	− 0·9
505	9·0	16·09	+ 0·15	+ 0·5
511	7·5	17·04	+ 0·01	− 1·5
517	8·8	15·96	+ 0·02	− 0·5
524	9·0	17·04	+ 0·03	+ 1·3
526	7·0	20·20	− 0·08	− 0·8
539	8·8	15·99	+ 0·01	− 1·6
543	8·0	16·48	+ 0·17	− 0·7
548	8·0	16·98	− 0·02	+ 0·5
566	8·1	20·80	+ 0·04	0·0
567	7·5	21·19	+ 0·08	− 1·6
571	6·5	20·43	0·00	+ 1·7
572	7·2	20·77	− 0·13	− 0·2
577	8·5	16·77	+ 0·01	− 0·8
592	6·5	20·21	+ 0·08	− 1·1
609	5·5	18·88	− 0·05	− 0·8
625	8·0	19·97	0·00	− 1·4
630	8·0	20·44	− 0·02	− 0·6
632	7·0	20·16	+ 0·04	− 1·6
635	7·5	20·25	− 0·04	− 0·9
642	6·0	23·17 22·95	− 0·22	− 0·9
647*	7·0	20·23	+ 0·73	− 9·0
648	9·0	20·31	− 0·08	− 0·8
656	7·8	20·25	− 0·10	− 0·4
663	9·2	16·58	+ 0·01	− 0·7

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −40° TO −44°.

No. 1900.	Mag.	Cape−C.G.A. ΔEp.	Δα	Δδ
		2^h		
		y	s	″
667	9·5	15·91	+ 0·04	− 1·4
671	8·9	16·75	+ 0·04	+ 0·1
672	8·7	16·92	+ 0·23	− 0·4
676	7·5	20·74	0·00	− 0·1
685	6·5	20·97	− 0·11	− 0·1
693	8·6	19·92	+ 0·12	+ 0·2
695	6·5	20·78	+ 0·04	− 0·3
703	9·5	15·93	+ 0·02	− 1·0
724	9·3	16·36	0·00	− 0·5
728	7·0	21·16	+ 0·02	− 0·1
732	9·3	16·70	+ 0·05	− 1·5
735	7·5	20·77	− 0·02	− 0·3
736	8·0	20·61	+ 0·09	+ 1·0
741	9·3	16·74	+ 0·04	+ 0·1
766	6·8	19·14 18·82	+ 0·18	+ 1·2
780*	6·0	21·13	+ 0·48	+ 2·7
781	7·5	21·51	+ 0·11	+ 0·5
789	8·0	16·34	+ 0·03	+ 0·5
798	8·0	20·74	− 0·08	− 1·8
802	7·8	20·57	+ 0·05	− 0·7
805	8·0	20·99	+ 0·18	− 1·5
822	8·9	16·36	+ 0·03	0·0
831	9·5	15·96	+ 0·05	− 0·5
838	7·0	22·62	− 0·08	− 1·0
839	9·2	16·53	+ 0·10	+ 0·3
852	8·4	19·72	+ 0·06	− 2·4
856	7·0	20·96	+ 0·17	+ 0·8
857	7·0	22·52	− 0·07	+ 0·2
865	5·0	20·35	+ 0·14	− 0·8
869*	4·5	20·19	+ 0·26	− 0·5
870	7·6	19·97	− 0·06	− 1·5
880	8·0	18·68	+ 0·01	− 0·4
885	9·0	16·93	+ 0·14	− 0·5
888	6·5	20·54	+ 0·17	+ 2 3
893	9·2	16·99	+ 0·02	− 0·6
895	8·7	16·66	+ 0·11	+ 0·3
896	8·4	16·60	+ 0·02	− 0·6
902	7·0	21·87	+ 0·06	− 1·1
904	8·1	23·17 23·10	+ 0·09	+ 0·5
909	8·0	21·00	+ 0·11	+ 0·1
926	8·8	17·01	+ 0·03	− 0·8
927	6·7	21·97	+ 0·14	+ 0·2
931	8·8	16·17	− 0·03	− 1·5
932	7·0	23·29 23·33	− 0·13	+ 0·8
940	8·5	16·02	+ 0·07	+ 0·7
941	6·5	22·90	− 0·02	− 0·1
944	8·5	16·91	+ 0·08	− 0·2
945	8·3	21·51 21·60	+ 0·06	− 0·1
948	8·2	16·76	0·00	− 0·4
959	8·5	16·01	− 0·05	+ 0·4
968	8·5	16·07	+ 0·18	+ 0·9
977	8·3	16·18	+ 0·04	− 1·0
982	7·2	19·12	+ 0·05	− 0·8
985	8·3	17·99	− 0·10	− 0·6
996	8·3	16·93	0·00	+ 1·5
		3^h		
1011	7·5	20·18	− 0·02	+ 0·8
1015	8·3	16·22	+ 0·07	− 0·7
1018	8·3	15·99	+ 0·03	− 1·1
1025	8·3	16·98	+ 0·06	− 0·9
1026	7·5	18·72	+ 0·10	− 0·7
1046	7·1	20·66	+ 0·07	+ 1·0
1051	8·1	18·57	− 0·08	+ 0·8
1054	7·0	20·18	− 0·04	+ 0·2
1060	7·5	17·78	− 0·04	− 0·6
1062	8·1	16·92	+ 0·02	+ 0·4
1066	8·0	21·18	+ 0·01	+ 0·3
1067	7·6	16·99	− 0·01	− 0·8
1070	8·0	18·97	− 0·09	− 0·8
1076	8·2	17·68	− 0·22	− 0·5
1077	8·0	18·31	− 0·10	+ 0·4
1081	9·0	15·97	− 0·01	− 0·6
1083	8·3	16·36	+ 0·09	− 0·5
1084	8·5	16·26	+ 0·09	− 0·2
1087*	4·5	21·24	+ 5·83	+ 15·9
1098	8·8	15·96	+ 0·11	− 1·1
1107	8·0	21·12	+ 0·05	+ 0·6
1111	7·5	22·94 22·93	+ 0·12	− 0·6
1113	9·2	16·92	+ 0·19	− 0·6
1115	7·3	21·57	− 0·03	+ 0·3
1128	8·2	20·67	+ 0·03	+ 0·7
1132	9·0	23·47	− 0·10	− 2·2
1136	7·5	22·61 22·56	− 0·10	− 1·1
1142	9·0	15·98	+ 0·06	+ 2·7
1148	7·2	22·13	− 0·14	− 1·1
1150*	8·5	19·25	− 0·16	− 3·9
1173	7·5	20·91	+ 0·02	+ 1·5
1176	8·3	17·00	+ 0·02	− 0·5
1188	4·8	21·21	0·00	0·0
1192	8·8	16·91	+ 0·10	− 0·1
1205	8·5	17·39	− 0·05	− 2·7
1207	8·5	18·74	− 0·05	+ 0·3
1212	7·3	22·12 22·13	− 0·12	− 0·9
1214	8·1	20·15	− 0·12	− 0·8
1224	9·5	18·00	− 0·07	− 1·3
1232	6·5	22·47 22·54	− 0·05	− 1·4
1233	7·7	17·28	− 0·02	0·0
1234	7·3	20·39	+ 0·04	− 0·4
1245	9·4	16·44	− 0 07	− 0·7
1248	9·1	16·36	− 0·01	− 1·8
1258	7·0	20·96	+ 0·21	+ 0·8
1267	7·2	21·13 21·07	− 0·11	0·0
1272*	8·5	16·01	+ 0·31	+ 9·7
1276	8·0	17·39	− 0·01	− 0·4
1286	8·3	18·01	− 0·04	− 0·7
1291	7·3	22·30	− 0·04	+ 2·1
1293	7·5	17·20	− 0·07	− 0·5
1295	6·0	19·46	− 0·09	− 0·4
1305	8·0	16·54	+ 0·07	0·0
1306	7·7	19·85	− 0·03	− 1·2
1307	8·0	16·35	+ 0·09	− 0·7
1312	7·0	23·13	− 0·06	− 0·5
1320	8·5	16·97	+ 0·02	− 1·0
1329	7·7	20·89	− 0·03	+ 0·4
1331	8·3	17·11	+ 0·17	− 1 0
1346	8·0	17·25	− 0·06	− 0·8
		4^h		
1366	8·8	17·75	− 0·01	+ 0·3
1373	8·0	18·85	− 0·15	− 0·8
1374	8·8	16·17	+ 0·08	− 0·9
1387	8·6	19·28	− 0·09	− 1·2
1390	8·0	18·44	− 0·17	− 0·5
1406	6·5	22·59	− 0·05	+ 0·3
1407	8·5	16·29	− 0·04	− 1·0
1410*	4·0	18·14 18·38	+ 0·02	− 4·3
1413	7·5	21·14	− 0 01	0·0
1417	8·4	17·19	− 0 04	− 1·1
1422	8·5	18·08	− 0·09	− 0·2
1439	9·0	16·25	+ 0·03	− 0·7
1451	8·3	16·23	+ 0·20	− 0·1
1453*	8·0	20·99	+ 0·06	+ 2·6
1455	8·0	22·38 22·50	+ 0·01	− 1·1
1463	8·3	17·20	− 0·02	− 1·0
1466	8·0	21·35	− 0·08	− 0·4
1467	8·5	16·12	+ 0 01	− 0·4
1477	8·0	19·57 19·51	− 0·10	+ 0·6
1487	8·4	16·39	+ 0·04	− 0·1
1491	7·3	22·54	− 0·15	+ 0·1
1494	9·2	17·00	0·00	+ 0·1
1496	7·3	22·63	− 0·14	− 0·3
1499	8·3	17·10	− 0·03	− 1·8
1502	9·4	16·26	+ 0·09	0·0
1504	7·6	21·18	− 0·07	+ 1·4
1506	7·5	20·54	− 0·05	+ 1·1
1516	8·0	15·92	+ 0·07	− 0·1
1525	9·0	17·12	0·00	+ 0·2
1532	8·0	15·83	+ 0·04	− 0·9
1533	9·1	16·29	+ 0·02	− 0·5
1534	8·6	16·32	+ 0·09	− 0·9
1541	6·5	23·47	− 0·04	+ 1·0
1548	8·8	16·29	− 0·01	0·0
1575	8·0	18·16	− 0·11	− 1·4
1578	7·0	19·22	− 0·02	− 0·1
1584	9·1	16·24	+ 0·04	− 0·7
1585	8·5	17·52	− 0·10	− 0·2
1598	8·5	19·20	− 0·07	− 0·4
1614	8·0	19·60	0·00	− 0·5
1634	7·5	17·74	− 0·12	+ 0·6
1638	8·5	15·67	− 0·03	− 1·1
1648	7·5	16·59	− 0·06	− 0·7
1650	8·0	19·28	− 0·01	+ 0·1
1666	8·0	20·70	+ 0·08	+ 0·3
1686	8·0	19·16	− 0·03	+ 0·4
1687	7·9	20·25	− 0·11	− 1·0
		5^h		
1695	8·5	16·06	− 0·03	− 2·1
1720	7·9	20·66	− 0·05	− 0 2
1721*	7·3	22·22	− 0·27	+ 5·9
1724	8·0	20·74	− 0·04	− 0·4
1725	8·5	15·79	− 0·07	0·0
1744	7·5	18·13	+ 0·08	+ 1·4
1765	7·5	18·40	− 0·05	− 0·1
1766	8·0	19·49	− 0·17	+ 1·0
1781	8·0	22·42	− 0·10	− 1·4
1791	8·5	15·47	− 0·03	− 1·4
1797	8·0	16·92	+ 0·03	− 0·5
1803	8·5	16·37	− 0·09	− 0·3
1820	8·3	15·84	− 0·03	+ 0·7
1827	8·5	17 99	− 0·12	− 0·1
1872	8·3	16·98	− 0·06	+ 1·3
1881	8·5	15·68	− 0·09	− 0·7
1893	9·0	15·61	+ 0·07	− 1·6
1898*	8·0	20·05	− 0·09	0·0
1901*	7·8	19·66	+ 0·11	+ 5·1

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp	Δα	Δδ
		y	s	″
1919	8·3	17·59	− 0·14	− 0·7
1926	7·5	20·12	− 0·03	+ 0·7
1931	8·5	17·00	0·00	− 0·6
1940	8·5	16·76	− 0·06	− 0·3
1951	8·1	16·80	− 0·02	− 0·3
1956	7·0	18·26	− 0·11	0·0
1958	7·0	20·08	− 0·13	+ 0·5
1965	8·0	19·34	− 0·22	− 1·0
1980	8·2	15·95	− 0·03	+ 0·1
1982	7·0	18·63	− 0·08	+ 0·6
1991	8·8	20·76	− 0·06	− 0·4
1993	8·0	20·12	− 0·15	− 1·1
1997*	8·5	20·68	− 0·02	+ 2·1
1998	8·5	18·20	− 0·10	− 0·4
2018	7·9	16·94	− 0·07	+ 0·4
2021	8·5	16·14	− 0·01	− 0·3
2033	7·3	22·13	− 0·22	+ 0·3
2035	7·4	20·80	− 0·01	+ 0·6
		6h		
2051	8·5	16·05	+ 0·01	− 0·6
2054	8·0	17·50	− 0·07	− 1·4
2061	8·5	16·09	− 0·11	− 0·1
2063	7·8	16·43 16·53	− 0·01	+ 0·3
2064	7·9	17·65	− 0·19	− 1·3
2067	7·3	20·62 20·68	+ 0·01	− 0·1
2072	8·3	19·20	− 0·14	− 0·1
2077	6·0	18·25 18·03	− 0 16	− 0·1
2080	8·0	17·65	− 0·14	− 1·6
2083	7·8	19·37	− 0·18	+ 1·0
2087	7·5	20·34	− 0·04	− 0·5
2089	7·5	20·67 20·71	− 0·24	+ 0·7
2092	6·0	21·95	− 0·12	+ 1·6
2104	7·5	20·14	− 0·07	+ 0 9
2115	7·5	20·19	− 0·06	+ 1·3
2116	9·4	15·89	+ 0·03	+ 1·0
2125	9·0	18·21	− 0·05	− 0·6
2143	8·0	20·64	− 0·06	+ 0·3
2163	9·0	15·57	+ 0·02	− 0·2
2181*	7·5	22·09	− 0·29	+ 16·2
2187	9·5	15·65	− 0·01	− 1·5
2201	8·0	21·01	0·00	+ 1·8
2206	8·5	17·51	− 0·16	+ 1·0
2207	8·0	19·65	+ 0·01	− 0·3
2211	8·0	17·51	− 0·09	− 1·4
2214	8·0	17 51	− 0·21	+ 0·1
2228	8·0	15·97	− 0·14	− 0·6
2230	8·5	15 20	+ 0·03	− 0·9
2244	7·6	18·59 18·57	− 0·09	− 0·2
2252	9·3	15·73	+ 0·10	− 0·3
2254	8·5	15·78	− 0·02	+ 0·1
2257	7·5	16·84	− 0·03	− 0·7
2259	7·0	20·88	− 0·17	− 0·1
2277	7·5	20·77	− 0·16	+ 0·3
2285	8·3	20·81	− 0·05	− 1·4
2292	8·0	17·25	− 0·26	+ 1·3
2293	7·5	19·90 19·84	− 0·09	− 0·1
2301	8·0	15·73	− 0·04	− 0·8
2311	8·5	15·77	− 0·02	+ 0·5
2327*	8·5	19·74	− 0·30	+ 2·1
2330	8·5	15·40	− 0·10	+ 0·3
2331	7·5	20·54	− 0·10	+ 1·6
2339*	7·8	22·07	− 0·17	+ 3·1
2351	7·5	21·31	− 0·13	+ 0·1
2359	7·7	21·87	− 0·13	− 0·1
2361	7·0	22·22	− 0·13	− 0·6
2364	7·5	21·70	− 0·11	+ 0·5
2371	6·5	21·07	− 0·10	+ 0·5
2376	7·5	18·64	− 0·18	− 0·4
2378	9·0	15·77	− 0·03	− 0·3
2407	7·0	19·37	0·00	+ 1·3
2409	8·5	16·70	− 0·02	+ 0·3
2421	7·0	21·86	− 0·14	− 1·5
2422	7·5	22·30	− 0·15	− 0·4
2426	7·5	19·79	− 0·11	− 0·6
		7h		
2435	7·0	21·12	− 0·11	+ 0·1
2442	7·0	17·69	− 0·21	+ 0·6
2471	8·5	16·69 16·98	− 0·13	− 0·4
2474	7·5	21·68	− 0·16	− 1·4
2485	9·0	21·83	− 0·19	+ 0·3
2489	8·0	16·94	− 0·08	− 0·5
2491	7·5	19·94	− 0·14	− 0·3
2507	8·0	19·97	− 0·13	− 0·1
2562	8·5	15·40	− 0·06	− 1·6
2567	8·0	17·04	− 0·09	− 0·8
2573	7·0	16·45	− 0·01	− 0·3
2578	8·0	16·44	− 0·08	− 1·1
2599	7·0	21·26	− 0·23	− 0·7
2611	8·5	20·93	− 0·19	− 0·3
2616	7·0	21·96	− 0·15	− 1·1
2625	8·0	18·29	− 0·15	− 0·7
2627	7·8	17·31	− 0·06	+ 0·3
2636	7·5	16·08	− 0·04	− 0·5
2637	8·7	17·82	− 0·20	− 0·3
2645	9·0	15·21	+ 0·07	− 0·3
2646	8·5	16·23	− 0·10	− 0·4
2661	8·0	17·92 17·90	− 0·15	− 0·5
2670	9·0	18·81	− 0·20	− 0·8
2671	7·8	18·09	− 0·14	− 0·2
2677*	7·5	16·20	− 0·09	− 0·6
2683*	6·0	17·75	+ 0·04	− 3·1
2712	7·5	16·96	− 0·04	− 1·8
2724	7·5	16·81	− 0·06	− 1·4
2740	6·5	22·08	− 0·09	− 0·3
2743	8·0	20·03	− 0·18	− 0·1
2758	8·0	22·04	− 0·13	− 0·2
2759	8·0	16·68	− 0·10	− 0·1
		8h		
2821	7·0	20·08 20·10	− 0·18	− 0·6
2822	8·9	15·98	− 0·10	+ 0·9
2824	7·0	18·71	− 0·13	+ 0·1
2837	8·5	16·11	− 0·05	− 0·3
2869	7·5	20·28	− 0·11	− 0·1
2921*	7·4	21·39	− 0·30	− 0·3
2930	7·9	16·44	− 0·07	− 1·0
2938	7·5	16·24	− 0·02	− 1·3
2943	8·1	23·98	− 0·17	− 0·1
2948	7·5	21·10 21·07	− 0·21	+ 1·1
2951	8·5	16·68	− 0·12	− 0·3
2956	8·0	17·03	− 0·10	− 0·3
2957	8·5	15·16	− 0·07	− 1·6
2962	7·5	17·07 16·92	− 0·04	− 0·6
2985	7·5	15·76 15·73	− 0·04	+ 1·5
2989	6·5	20·02	− 0·02	− 0·5
2994	8·0	15·28	0·00	+ 0·2
3001	7·5	20·14	− 0·13	− 0·5
3021	7·3	16·16	− 0·14	− 2·7
3026	7·5	16·44	− 0·13	− 1·1
3028	7·0	19·41	− 0·11	− 1·1
3031	7·8	15·95 15·96	− 0·10	− 0·4
3053	8·5	16·35 16·39	− 0·08	+ 0·1
3061	7·0	21·21	− 0·23	+ 1·1
3063	7·8	19·48	− 0·07	− 1·7
3093*	7·5	16·07 16·02	− 0·01	− 5·0
3099	7·5	15·56	− 0·05	− 0·5
3100	8·5	14·92	− 0·06	− 0·4
3102	8·5	15·44	− 0·06	− 1·0
3109*	6·9	21·97	− 0·08	− 5·5
3110	7·5	19·07	− 0·13	− 0·4
3118	8·0	22·64	− 0 15	0·0
3122	8·0	19·46	− 0·12	0·0
3128	7·5	17·05	− 0·18	− 1·4
3130	7·5	17·93	− 0·10	− 1·2
3138	7·0	20·04	− 0·13	+ 1·7
3140	7·0	21·36	− 0·12	− 0·4
3141	7·0	21·12	− 0·13	− 0·1
3146	8·5	16·75	− 0·10	− 1·2
3152	8·0	15·77	− 0·07	− 0·3
3153	7·5	16·08	− 0·08	− 0·1
3155	7·5	19·37	− 0·03	− 0·5
3168	8·0	18·82	− 0·05	+ 0·1
3169	8·0	18·78 18·77	− 0·09	− 0·4
3172	8·0	16·05	+ 0·01	− 0·8
3183	9·0	18·02	− 0·11	− 1·9
3201	7·0	19·41	− 0·07	− 0·6
3205	8·0	19·74	− 0·07	0·0
3209	8·5	18·91	− 0·03	− 1·2
		9h		
3238*	8·0	17·86	+ 0·13	+ 3·0
3250	7·5	16·53 16:58	+ 0·02	− 1·8
3266	7·0	20·49	− 0·02	− 0·8
3281	7·0	19·31	− 0·17	+ 0·5
3291	8·0	16·67	− 0·06	− 0·3
3302	6·0	21·49	− 0·11	− 0·6
3319	8·0	16·36	− 0·13	− 0·6
3332	8·5	18·66	− 0·08	− 0·1
3334	8·0	16·02	+ 0·01	− 0·3
3348	9·0	16·95	− 0·12	− 0·2
3367	8·0	17·13	− 0·15	− 1·0
3402	6·0	22·03	− 0·08	− 0·4
3438	8·8	16·85	− 0·14	− 0·4
3444	6·0	22·08	− 0·05	− 0·7
3447	8·0	20·08	− 0·07	− 0·9
3456	8·5	18·38	− 0·13	− 0·5
3465	8·6	18·05	− 0·06	− 0·7
3466	7·5	19·67	− 0·13	− 0·6
3475	8·5	17·98	− 0·09	− 1·0
3510*	8·0	19·00	− 0·42	− 1·8

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ $-40°$ TO $-44°$.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
3516	7·3	20·87	− 0·10	+ 0·1
3523	8·0	16·49	+ 0·01	− 0·8
3543	8·0	18·04	− 0·12	− 0·7
3545	7·5	18·45	− 0·10	− 0·7
3551	8·0	17·65	− 0·23	− 0·1
3578	8·0	17·66	− 0·06	− 0·9
3600	7·5	16·07	− 0·04	+ 0·2
			10^h	
3625	7·0	19·51	+ 0·11	0·0
3646	7·3	16·84	− 0·06	− 0·2
3652	9·2	17·84	− 0·06	− 1·5
3654	8·0	16·36	− 0·12	− 0·6
3659	9·0	15·67	− 0·19	− 1·4
3660	7·0	19·19	− 0·01	− 2·2
3680	8·5	18·43	− 0·10	− 0·8
3682	8·0	16·94	− 0·08	− 0·1
3683	8·0	17·72	− 0·14	− 0·2
3686	7·0	18·53	− 0·33	− 0·4
3688	7·5	21·48	− 0·21	+ 0·7
3690	9·5	21·51	− 0·18	− 0·5
3707	6·5	20·94	− 0·09	+ 0·1
3722	7·5	19·25	− 0·07	− 0·4
3729	6·0	16·08 15·95	− 0·25	+ 0·3
3736	8·0	16·38	− 0·06	− 1·2
3739*	7·0	22·49	− 0·44	+ 0·3
3742	8·0	19·18	0·00	− 2·3
3745	8·0	18·86	− 0·02	− 1·5
3747	8·8	17·85	− 0·13	− 1·2
3754	6·0	22·67	− 0·21	+ 0·1
3758*	6·5	23·96	− 0·45	− 2·5
3759	8·0	16·86	− 0·08	− 1·0
3766	7·3	22·23	− 0·32	− 0·4
3768	8·0	17·00	− 0·18	− 1·4
3772	7·0	20·95	− 0·15	+ 0·2
3778	7·0	16·87	− 0·13	− 1·1
3788	8·7	19·09	− 0·15	− 0·5
3791	8·0	20·27	− 0·05	0·0
3797	8·5	16·66	− 0·09	− 1·4
3808	8·5	15·58	− 0·04	+ 0·4
3814	6·5	21·46 21·41	− 0·13	− 0·4
3830	8·0	20·58	− 0·02	− 1·4
3832	6·5	18·38 18·49	− 0·17	− 1·2
3839	8·0	15·89	− 0·01	− 0·2
3874	7·0	19·62	− 0·03	− 0·4
3897	7·5	21·79	− 0·27	− 0·4
3919	8·0	20·92	− 0·32	− 0·8
3929	6·4	21·08	− 0·17	0·0
3930	6·8	21·11	− 0·13	+ 0·5
3941*	8·5	19·58	− 0·30	− 2·4
3957	6·2	22·84	− 0·26	− 0·1
3958	5·0	21·74	− 0·07	− 0·3
3960	8·0	19·94	0·00	− 0·1
3970	8·2	17·23	− 0·14	− 1·4
3986	8·0	17·87	− 0·02	− 0·5
			11^h	
4004*	7·5	16·24	+ 0·14	− 2·1
4013	8·3	17·56	− 0·29	+ 0·3
4034	7·8	20·39	− 0·06	− 0·7
4035	8·0	16·12	− 0·01	− 2·1
4045	6·5	20·30	− 0·13	− 0·4
4052	7·5	21·88	− 0·12	− 0·4
4056	6·5	21·25	− 0·21	− 0·8
4059	7·5	20·97	− 0·16	− 1·0
4060*	7·4	20·42	− 0·35	+ 1·6
4077	8·5	18·36	− 0·18	− 1·0
4088	8·6	16·86	− 0·01	− 1·9
4097	7·5	20·49	− 0·20	− 0·4
4105	7·5	17·68	− 0·18	− 0·6
4115	6·5	20·95	− 0·18	− 0·9
4123	7·8	20·42	0·00	− 0·6
4125	7·8	17·70	− 0·15	+ 0·2
4133	7·8	21·88	− 0·28	− 0·2
4146	8·0	19·41	− 0·09	− 1·1
4158	7·0	21·33	− 0·20	− 1·2
4171	8·1	16·93	− 0·02	− 0·5
4225	6·0	22·93	− 0·43	− 0·2
4282	6·9	20·84	− 0·05	− 0·8
4283	8·0	17·61	− 0·21	+ 0·1
4295	8·0	19·92	− 0·13	− 0·4
4304	7·8	17·90 17·43	− 0·05	− 0·1
4306	8·0	16·96	− 0·16	− 1·6
4309	8·3	16·82	− 0·15	− 0·9
4324*	8·3	16·94	+ 0·08	− 0·4
4325	7·0	19·93	− 0·14	− 0·1
4327	7·5	15·62	− 0·08	− 0·5
4347	7·3	21·33	− 0·24	− 1·2
4356	8·3	17·98	+ 0·08	− 0·3
4359	7·9	16·28	− 0·06	− 0·9
			12^h	
4368	9·0	16·71	0·00	+ 0·1
4373	8·3	16·82	− 0·08	+ 0·4
4379	7·5	20·84	− 0·05	− 0·3
4388	6·0	22·97	− 0·42	− 2·3
4420	8·0	17·03	− 0·09	− 1·4
4424*	8·0	21·81	− 0·71	− 2·2
4425*	6·5	20·54	− 0·66	− 4·2
4453	7·5	20·49	+ 0·01	+ 0·3
4466	8·5	16·01	− 0·06	+ 0·2
4472	8·2	18·35	− 0·02	− 0·4
4484	6·5	22·64	− 0·40	− 1·0
4505	8·5	14·03	− 0·23	− 1·2
4511	7·0	21·09	− 0·24	− 0·8
4519	8·0	18·57	− 0·07	+ 0·2
4521	9·0	14·94	− 0·16	− 0·7
4546	6·0	21·99	− 0·32	− 0·1
4563	9·0	14·21	− 0·25	− 1·7
4566	8·0	16·38	− 0·04	− 0·5
4578	7·0	21·44	− 0·32	− 0·9
4629	7·0	21·37	− 0·26	− 0·6
4661*	6·5	22·08	− 0·60	− 5·2
4663	7·0	22·92	− 0·17	− 0·2
4666	6·0	22·87	− 0·30	− 0·7
4679	9·0	14·89	− 0·21	− 0·1
4692	7·5	18·86	− 0·19	− 1·3
4696	8·0	18·00	− 0·10	− 0·6
4697	7·5	21·81	− 0·18	− 1·2
4716	7·1	21·91	− 0·14	− 1·5
4721	7·0	20·12	− 0·19	− 1·6
			13^h	
4734	6·3	21·93	− 0·01	− 1·5
4763	6·0	21·17	− 0·24	− 1·9
4765	5·5	20·43	− 0·23	− 1·1
4774	6·5	22·51	− 0·12	+ 0·3
4788	8·0	16·82	− 0·08	− 0·4
4793	8·0	16·35	− 0·01	− 0·7
4798	7·3	20·58 20·30	− 0″13	− 0·4
4801	8·3	16·26	− 0·10	− 1·9
4804	8·0	20·91	− 0·02	− 1·3
4808	7·5	20·21	− 0·12	− 0·6
4817	7·8	16·51	− 0·08	− 0·6
4829	7·5	20·35	+ 0·03	− 0·4
4843	8·5	18·77 17·54	− 0·14	− 1·4
4849	9·0	17·52	− 0·23	− 1·9
4858	6·0	20·35	− 0·05	− 1·0
4861	9·0	18·87	− 0·06	− 0·9
4882	7·0	21·41	− 0·03	− 1·5
4884	9·0	17·41	− 0·11	− 1·4
4885	8·0	18·88	− 0·07	− 0·3
4889	7·5	21·59	− 0·24	− 0·4
4896	7·0	22·34	− 0·28	− 0·9
4903	7·5	16·35	− 0·18	+ 1·0
4911	7·0	18·81	− 0·08	− 0·2
4913	6·5	20·10	− 0·20	− 1·3
4914	7·5	20·88	− 0·09	− 0·9
4917	8·0	20·91	− 0·06	− 1·0
4920	8·0	17·45	− 0·13	− 0·6
4936*	8·0	17·85	− 0·18	+ 0·8
4950	8·0	20·39	− 0·07	− 0·5
4951	7·5	20·57	− 0·07	− 0·5
4952	6·5	21·45 21·56	− 0·25	− 1·8
4959	6·5	22·40	− 0·17	− 0·1
4966	8·0	16·78	+ 0·02	− 0·8
4967	8·0	17·77	− 0·19	− 1·0
4975	8·0	16·28	− 0·06	− 0·3
4994*	8·0	22·76	− 0·31	0·0
5013	7·5	20·82	− 0·21	− 1·5
5017	8·0	20·34	+ 0·04	− 0·9
5032	7·8	21·47	− 0·09	− 0·9
5033	8·3	18·39	− 0·11	− 1·2
5053*	8·0	21·86	− 0·22	− 0·5
5060	7·5	17·78	− 0·08	− 0·6
5065	7·0	21·85	− 0·36	− 1·0
5077	7·8	20·70	− 0·09	− 1·3
5085	5·0	22·03	− 0·16	− 1·2
			14^h	
5086	6·5	23·03	− 0·20	− 1·6
5095	8·0	16·33	+ 0·01	− 1·0
5100	6·7	22·66	− 0·15	− 1·8
5124	7·0	21·63	− 0·20	− 1·0
5138	6·5	22·12	− 0·39	− 0·6
5140	7·5	21·00	− 0·01	− 0·8
5149	8·3	18·32	− 0·15	+ 0·2
5156	8·0	16·45	− 0·08	− 1·1
5158	7·5	22·61	− 0·17	− 0·6
5168	6·5	22·05	− 0·25	− 0·4
5194	8·0	17·56	− 0·16	− 0·5
5199	7·0	21·97	− 0·27	− 1·7
5201	7·0	21·30	− 0·23	− 1·4
5220	7·5	20·25	− 0·18	− 1·4
5241	7·5	19·96	+ 0·02	− 1·0
5246	8·5	20·19	− 0·15	− 2·0
5259	7·0	21·97	− 0·18	− 0·7
5268	6·5	22·38	− 0·26	+ 0·5
5270	8·5	17·19	− 0·13	− 0·6

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −40° TO −44°.

No. 1900.	Mag.	Cape − C.G.A. ΔEp.	Δα	Δδ
		y	s	″
5279	7 5	23·19	− 0·08	− 1·6
5285	8·0	19·98	− 0·16	− 1·6
5298	8·0	17·97	− 0·19	+ 0·4
5299	8·0	18·51	0·00	− 0·4
5336	7·0	22·83	− 0·15	− 0·7
5342	8·0	18·99	− 0·11	− 0·6
5359	8·0	18·22	− 0·07	− 0·3
5362	7·0	22·25	− 0·30	+ 0.6
5380	8·0	20·00	+ 0·02	− 1·4
5385	7·8	18·81	− 0·34	− 2·1
5395	8·0	19·83	− 0·20	− 1·9
5408	8·5	24·00	− 0·10	− 0·4
5412*	7·0	21·71	− 0·49	− 4·1
5418	8·0	18·10	− 0·09	− 0·6
5420	9·0	14·78	− 0·16	− 0·2
5428	8·5	18·07	− 0·13	− 1·1
5429	9·4	15·84	− 0·18	− 0·3
5436	8·5	13·99	− 0·11	− 1·7
5439	7·0	22·79	− 0·26	+ 0·4
5445	7·8	17·84	− 0·17	− 1·0
		15h		
5463	7·5	18·73	− 0·02	− 1·6
5464	6 0	21·12	− 0·12	− 1·7
5495	8·0	18·66	− 0·02	+ 0·2
5499	8·0	16·06	− 0·10	− 1·0
5507	9·3	20·60	− 0·04	− 0·5
5509	6·0	22·80	− 0·10	+ 0·2
5510	7·0	22·29	− 0·14	+ 0·1
5529	6·0	22·04	− 0·14	− 1·0
5546	8·0	15·90	− 0·02	− 1·3
5549	7·0	21·57	− 0·17	− 1·0
5573	8·0	21·36	− 0·25	− 1·0
5580	8·5	17·96	− 0·12	− 0·8
5593	8·0	20·26	− 0·11	− 0·5
5605	8·5	15·98	− 0·09	− 0·4
5609	8·8	17·85	− 0·07	0·0
5618	7·0	22·53	− 0·02	− 1·9
5630	8·0	16·23	− 0·01	− 2·4
5635	8·0	16·49	− 0·06	− 0·1
5636	7·5	20·56	+ 0·01	− 0·2
5646	8·5	18·13	− 0·02	− 0·6
5647*	4·7	22·50	− 0·46	+ 0·9
5660	8·0	17·82	− 0·04	− 0 8
5662	8·5	16·51	− 0·07	+ 0·1
5663	8·5	18·91	− 0·12	+ 0·3
5685	7·5	17·24	− 0·05	− 1·1
5696	8·0	18·42	− 0·10	− 0·4
5702*	8·5	18 53	− 0·31	− 3·4
5706*	7·5	20·14	+ 0·03	− 3 6
5712	8·5	17·00	0·00	− 0·2
5718	8·0	20·40	− 0·02	− 0·3
5734	8·0	16·46	− 0·20	− 0·6
5754	7·0	20·71 20·64	− 0·07	− 0·4
5758	7·5	17·30	− 0·12	− 0·6
5770*	8·0	16·41	− 0·38	− 3·8
5772	7 0	20·76	− 0·15	− 1·6
5773	8·0	18·17	− 0·07	− 0·2
5775	8·0	19·39	− 0·02	0·0
5779	5·5	21·93	− 0·23	− 0·6
5785	7·0	15·94	− 0·02	− 0·1
5793*	7·0	20·96	− 0·05	− 3·3
5798	7·5	21·97	− 0·08	− 2·1
5803	8·0	16·91	− 0·06	− 0·9
		16h		
5823	7·5	20·00	0·00	− 0·1
5846*	6·5	22·06	− 0·31	− 2 9
5849	8·0	16 05	+ 0·03	− 0·1
5857	7·5	16·06	+ 0·02	− 0·6
5871	7·5	23·12	− 0·15	− 0·2
5881	9·0	16·67	− 0·02	− 0·4
5888	6·0	21·90	− 0·07	0·0
5889	9·0	21·47	− 0·14	− 2·0
5904	8·0	20·98	− 0·09	− 1·9
5907	6·5	22·72	− 0·15	+ 0·4
5913	8·5	17·09	+ 0·03	+ 0·2
5938	8·0	17·44	0·00	− 0·2
5947	8·5	16·87	+ 0·03	− 0·7
5956	7·8	16·75 16·80	− 0·02	+ 0·3
5963	7·5	16·09	− 0·05	0·0
5965	6·0	22·92	− 0·02	− 0·6
5978	8·0	20·42 20·50	+ 0·13	− 0·2
5992	8·3	20·43	− 0·12	− 0·4
5996	6·0	21·29	− 0·08	− 0·7
6024	8·0	17·82	− 0·12	+ 1·1
6033	8·0	18·15	− 0·07	− 0·7
6044	6·0	21·61 21·65	− 0·11	− 0·4
6046	9·4	17·87	− 0·12	− 0·6
6049	8·0	16·16	+ 0·04	+ 0·4
6058	8·0	15·88	+ 0·01	− 0·1
6061	8·0	16·27	− 0·07	− 0·5
6070	7·5	15·97	− 0·02	+ 0·3
6075	7·3	17·72	− 0·02	− 1·4
6087	7·0	21 87	− 0·12	− 1·1
6090	8·1	20·14	− 0·09	+ 0·2
6094	8·0	16·34	+ 0·04	+ 1·4
6098	5·5	20·50	0·00	− 0·8
6105	7·2	18·17	− 0·11	− 0·7
6109	7·0	21·88	− 0·15	− 0·7
6115	8·5	14 30	+ 0·03	+ 0·2
6116	7·0	24·90	− 0·02	+ 0·7
6123	8·0	18·06	− 0·06	− 1·7
6142	7·5	19·70	− 0·12	− 0·9
6158*	7·5	22·03	+ 0·14	− 4·8
6169	6·5	22·21	− 0·12	− 0·6
		17h		
6182	8·0	17·98	− 0·11	− 0·7
6192	8·0	17·67	− 0·05	− 0·6
6196	8·1	17·90	− 0·02	+ 0·1
6197	7·5	21·43	− 0·10	− 1·1
6202	9·0	17·27	− 0·17	− 0·1
6226	7·0	21·02	+ 0·01	+ 0·4
6237	7·6	19·89	− 0·15	− 0·3
6245	8·5	17·48	− 0·08	− 0·1
6249	8·8	16·62	− 0·03	+ 0·6
6259	8·5	17·55	0·00	+ 1·2
6261	7·5	20·56	+ 0·06	− 0·9
6277*	8·0	16·56	+ 0·96	+ 1·7
6286	7·5	16·16	− 0·03	+ 0·2
6292*	7·5	19·26	− 0·07	− 3·1
6295	8·0	16·93	+ 0·01	0·0
6298	8·0	16·01	+ 0·04	+ 0·1
6311	7·5	19·75	− 0·11	− 2·1
6313	7·5	20·33	− 0·08	− 0·6
6323	8·5	20·97	− 0·21	− 1·8
6332	7·3	20·21	+ 0·01	− 1·0
6335	8·0	19·49	− 0·05	− 0·7
6356*	7·5	19·73	+ 0·30	− 7·1
6358*	7·5	16·43	− 0·34	− 0·8
6362	8·5	16·34	− 0·07	+ 0·6
6366	8·3	16·68	− 0·03	− 1·0
6394	7·5	16·87	+ 0·01	+ 0·1
6402	8·8	15·92	+ 0·12	− 0·3
6404	7·5	15·94	− 0·09	+ 1·0
6405	7·5	16·01	+ 0·13	− 0·7
6428	5·8	21·96	− 0·07	− 0·3
6443	7·5	16·44	− 0·08	+ 0·4
6458	7·8	19·32	− 0·01	− 1·0
6461	7·8	19·81	+ 0·01	− 0·2
6469	5·3	22·10	− 0·10	+ 0·2
6478	7·5	21·05	− 0·14	− 1·0
6492	8·0	18·64	+ 0·02	− 1·3
6494	7·5	19·05	− 0·10	− 0·8
6504	9·0	16·94	+ 0·05	− 0·3
6505	8·0	21·02	− 0·05	+ 0·2
6514*	6·0	20·13	+ 0·04	− 3·0
		18h		
6537	6·0	22·88	− 0·09	− 0·4
6541	8·3	17·26	+ 0·02	− 0·4
6542	8·0	18·97	− 0·11	− 1·9
6550	6·0	22·04	− 0·17	− 0·1
6552	7·0	19·03	− 0·02	− 1·2
6553	7·0	15·97	+ 0·11	− 0·2
6560	8·3	19·96	+ 0 06	− 0·9
6571	8·8	16·01	+ 0·08	0·0
6579	8·0	15·95	+ 0·06	+ 0·1
6585	6·8	22·46	+ 0·05	− 0·4
6587	8·0	15·98	− 0·01	− 0·5
6599	7 2	16·97	+ 0·06	− 1·1
6600	9·1	17·41	− 0·07	− 1·8
6602	9·0	17·95	+ 0·01	− 2·0
6614	8·0	17·26	− 0·04	− 2·9
6631	9·0	17·19	− 0·05	− 0·3
6637	8·5	14·40	− 0·07	+ 0·7
6640	8·8	16·98	+ 0·03	− 0·8
6643	9·0	17·00	+ 0·06	− 1·3
6647	8·5	16·10	+ 0·02	+ 0·9
6648	8·0	17·21	+ 0·03	− 1·6
6651	8·5	13·95	− 0·34	+ 1·8
6653*	8·0	19·59	+ 0·04	− 3·1
6659*	8·5	17·87	− 0·17	− 3·3
6673	8·5	15·99	− 0·02	+ 0·3
6675	8·0	16·97	− 0 02	− 0·3
6687*	9·0	18·95	− 0·31	− 0·1
6693	7·5	20·24	+ 0·05	− 1·5
6697	8·0	19·21	− 0·05	− 1·1
6717	7·5	19·54 19·84	+ 0·07	− 0·8
6719	8·3	16·91	− 0·01	− 0·8
6723	8·3	17·87	− 0·01	− 0·9
6731	8·5	15·87	+ 0·03	+ 0·1
6733	9·0	16·91	+ 0·09	− 0·2
6743	7·0	22·22 22·19	+ 0·01	− 1·1
6747	8·0	18·58	+ 0·10	− 1 8
6754	5·5	22·04	− 0·04	− 0·9
6758	5·5	22·07	− 0·09	− 1·0
6759	8·0	16·00	− 0·07	+ 1·0
6764	7·5	17·00	+ 0·12	− 1·1
6769	9·1	17·93	+ 0·03	− 0·9
6776	7·0	22·42	− 0·07	− 1·8
6779	8·0	17·48	+ 0·08	+ 0·2

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
6785	9·0	17·91	+ 0·03	− 0·3
6791	9·0	17·81	+ 0·06	− 1·3
6796	6·0	24·58	− 0·01	− 1·2
6799	8·0	16·61	0·00	− 0·1
6808	8·0	20·29	0·00	− 1·3
		20·24		
6820	8·0	16·06	+ 0·02	− 0·2
6828*	7·5	19·71	− 0·09	− 0·0
6830	7·0	24·79	+ 0·15	− 0·6
6836	8·5	16·54	+ 0·12	+ 0·1
6857	7·5	21·19	− 0·09	− 1·4
6859	8·0	20·52	+ 0·04	− 0·5
		19h		
6872	8·5	20·07	− 0·03	− 2·8
6876	6·5	23·52	− 0·13	− 1·3
6897	8·5	16·92	+ 0·01	+ 1·2
6905	8·0	16·20	+ 0·05	− 0·9
6932	8·5	16·98	+ 0·02	+ 1·2
6937	7·5	16·29	+ 0·03	+ 0·3
		16·39		
6945	7·0	21·97	− 0·10	− 1·2
6946	9·0	15·97	− 0·01	+ 0·7
6956*	4·0	20·89	+ 0·10	− 3·1
6957	6·5	23·31	+ 0·03	− 2·5
		23·40		
6959	9·0	14·22	− 0·08	− 2·3
6967	9·0	16·32	− 0·04	− 0·8
6977*	8·0	21·95	+ 0·01	− 3·6
6978	8·0	16·22	− 0·01	+ 0·7
6987	6·0	21·40	+ 0·13	− 2·9
6990	8·0	17·65	+ 0·15	− 0·4
		17·69		
7001	8·0	21·05	+ 0·01	− 0·6
7013	6·0	21·99	− 0·07	− 0·3
7022	8·0	18·52	+ 0·04	+ 0·1
7036	8·5	21·11	− 0·02	− 0·6
7057*	8·5	16·73	− 0·63	+ 0·4
7062	8·5	16·98	0·00	+ 0·7
7076	7·0	22·55	− 0·12	− 0·8
7087	7·5	21·47	− 0·20	− 2·0
7093	7·5	21·57	+ 0·02	− 1·2
7103	8·0	22·07	− 0·04	− 0·5
7115	6·0	23·72	+ 0·06	− 0·5
7126	8·3	17·20	+ 0·03	0·0
7131	5·0	22·00	+ 0·08	+ 0·4
7148	8·0	17·99	0·00	− 1·0
7152	8·8	20·82	+ 0·04	− 2·0
		20·80		
7158	9·0	23·10	− 0·13	+ 1·2
7162	6·5	22 86	− 0·03	+ 0·3
7166	8·0	18·96	− 0·05	− 0·5
7172	9·0	16·90	+ 0·08	− 1·1
7178	8·0	20·72	− 0·04	− 1·0
7180	8·0	20·74	+ 0·01	0·0
7185	8·5	15·96	+ 0·10	+ 0·2
7187	8·5	16·35	− 0·05	+ 0·6
7189	9·5	16·83	+ 0·02	0·0
7195	9·5	15·91	+ 0·13	+ 0·6
		20h		
7210	7·5	21·15	+ 0·02	− 1·9
7227	7·5	22·52	− 0·08	− 0·3
7237	6·3	22·65	− 0·24	− 2·4
7249	8·0	19·10	− 0·02	− 0·2
7251	8·4	18·78	− 0·01	− 1·3
7253	9·0	14·08	− 0·01	− 0·5
7255	7·5	21·97	0·00	− 1·0
7259	7·0	22·58	+ 0·12	− 1·9
7267	7·0	21·91	− 0·02	− 1·1
7292	5·8	17·52	+ 0·01	− 2·0
7294	8·5	14·69	+ 0·05	− 1·8
7297	6·0	22·20	− 0·09	− 0·2
7298	8·0	19·30	− 0·03	− 0·7
7300	8·3	18·85	+ 0·06	− 0·1
7304	8·5	15·96	− 0·03	+ 0·2
7314	8·0	19·87	− 0·04	− 0·3
7317	8·3	19·01	+ 0·02	+ 0·3
7320	8·0	18·45	− 0·01	− 0·7
7331	9·0	16·16	+ 0·01	− 0·3
7334	8·0	20·27	− 0·05	+ 0·5
7340	9 2	16·10	+ 0·12	0·0
7354*	6·5	20·15	− 0·15	− 4·4
7356	9·0	16·34	+ 0·06	+ 0·5
7363	7·0	21·99	− 0·08	− 2·0
7379	8·0	20·37	+ 0·10	− 0·1
7383	6·5	23·43	− 0·07	− 2·0
7386	9·5	13·94	− 0·07	+ 0·6
7394	8·5	18·96	− 0·10	− 0·8
7397	6·0	23·21	− 0·05	− 1·0
7413	8·0	18·67	+ 0·02	− 1·0
7422	8·5	15·92	+ 0·01	+ 0·1
7424*	9·0	16 87	− 0·11	− 3·1
7429	9·0	13·99	− 0·09	+ 1·3
7444	7·5	17·91	+ 0·08	− 1·4
7453	8·1	16·53	0·00	+ 1·3
7460	8·5	17·97	− 0·03	− 0·3
7472	8·8	16·32	− 0·02	− 0·3
7477	8·0	20·29	+ 0·03	− 1·4
		20·09		
7478*	5·0	23·00	+ 0·03	− 3·5
7481	6·5	22·09	− 0·19	− 1·3
7503	8·5	20·37	+ 0·02	− 1·8
7506	9·0	16·02	+ 0·01	+ 0·2
7509	7·3	22·47	− 0·11	+ 0·7
7513	8·3	16·86	− 0·02	+ 0·4
7515	8·5	17·14	+ 0 01	− 0·5
7522	7·8	16·49	− 0·05	− 0·8
7526	6·5	22·77	+ 0·02	− 2·9
7530	8·8	17·52	+ 0·04	+ 0·3
7534	9·2	17·93	+ 0·07	− 2·1
7535	7·0	20·02	+ 0·05	0·0
7540	7·0	22·93	− 0 18	− 1·9
7544	6·0	19·63	− 0·06	− 0·5
		19·03		
		21h		
7549	8·5	15·95	− 0·06	+ 0·1
7557	8·5	16·00	0·00	+ 0·2
7563	7·0	22·97	− 0·08	− 0·6
7566	7·0	18·50	+ 0·02	− 1·3
7578*	8·5	16·12	+ 0 13	− 2·6
7583	7·0	20·51	+ 0·10	− 0·4
7584	9·0	17·91	0·00	− 1·1
7585	9·0	17·01	+ 0·05	+ 1·4
7588	8·0	18·87	+ 0·03	− 0·1
7589	8·0	16·87	+ 0·02	− 0·1
7590	8·0	16·88	+ 0·05	− 0·3
7599	9·0	16·18	+ 0·04	− 0·1
7609*	7·0	20·90	+ 0·45	+ 0·1
7616	7·3	20·55	0·00	− 0·4
7629	8·0	16 47	− 0·05	0·0
7631	8·0	16·37	− 0·05	+ 1·0
7637	7·0	15·97	+ 0·10	− 1·5
7641	7·5	16·00	− 0·07	− 1·0
7645	6·0	22·57	− 0·07	0·0
7647	8·3	16·51	+ 0·11	− 0·5
7653	8·5	16·03	0·00	+ 0·3
7660	8·3	16·78	+ 0·05	− 0·9
7662	5·8	21·35	− 0·17	− 1·2
		21·38		
7677	7·0	22·33	+ 0·04	− 1·4
7678	9·0	16·53	+ 0·08	+ 0·4
7690	6·0	22·69	− 0·04	+ 0·4
7702	6·5	22·05	− 0·15	− 0·7
7706	9·0	16·17	+ 0·10	− 0·4
		16·29		
7711	7·5	18·80	− 0·03	− 1·0
7725	8·0	18·75	+ 0·08	0·0
7731	6·5	22·41	− 0·18	− 0·7
7732	6·5	22·66	− 0·16	+ 0·7
7737	7·0	20·54	+ 0·01	+ 0·8
		20·62		
7752*	7·0	22·18	+ 0·32	− 2·2
		22·31		
7758	8·0	16·04	+ 0·01	− 0·9
7760	8·3	16·71	− 0·10	− 0·4
		16·75		
7769	8·5	16·58	− 0·01	+ 0·2
7773	8·5	16·56	− 0·06	+ 0·4
7784*	8·8	19·38	+ 0·23	− 7·3
7795	8·0	18·02	− 0·03	− 1·1
7800	8·5	16·60	+ 0·01	+ 0·7
7802	9·3	14·92	− 0·01	− 0·1
7805	7·0	22·29	− 0·12	− 0·5
7807	8·5	18·24	+ 0·09	− 0·4
7811	9·0	16·51	0·00	− 0·5
7813	8·5	18·01	− 0·05	− 1·1
7820	8·0	18·71	+ 0·06	− 0 3
7822	8·3	16·37	− 0·02	0·0
7827	9·1	17·88	− 0·10	− 1·6
7829	9·5	16·54	+ 0·02	− 0·5
7838	8·5	18·00	− 0·04	− 1·4
7840	8·0	16·44	+ 0·03	− 0·2
7844	6·8	22·92	− 0·14	− 0·4
7848	8·0	20·61	+ 0·15	− 2·0
7851	8·0	16·67	+ 0·14	− 0·6
7856	7·2	19·21	+ 0·02	− 0·9
		19·37		
7869	8·0	19·50	− 0·12	+ 0·2
7872	8·5	17·94	+ 0·09	− 0·9
7875	8·5	18·40	+ 0·10	− 1·5
7879	8·5	16·72	+ 0·05	− 0·5
		22h		
7892	7·5	18·70	+ 0·09	− 0·2
7893	8·5	16·35	− 0·02	− 0·4
7900	7·0	21·96	− 0·15	− 2·4
7902	8·0	15 98	+ 0·18	− 0·8
7909	8·5	16·11	− 0·04	− 0·3
7911*	8·0	17·68	− 0·10	+ 5·3
7919	7·0	22·20	− 0·16	− 2·4
7921	8·8	16·88	+ 0·07	+ 0·1
7923	8·3	18·70	+ 0·03	− 1·7
7930*	6·5	21·03	+ 1·01	−16·8
7954	8 0	18·82	+ 0·03	− 0·3
7961	8·9	16·89	+ 0·18	+ 1·0
7976*	8·7	16·73	+ 0·11	− 4·7
7982	8·0	18·98	+ 0·03	− 0·2

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	"			23h					y	s	"
7988	7·0	21·27	+ 0·17	− 0·3						8392	9·5	14·07	− 0·12	− 0·3
8021	7·0	22·04	− 0·15	0·0			y	s	"	8417	8·5	19·83	+ 0·03	− 0·3
8033	8·0	16·50	+ 0·04	0·0	8221	7·0	21·02	− 0·10	− 0·1	8427	7·2	20·60	+ 0·03	− 1·1
8036	8·0	17·01	− 0·06	+ 0·5	8246*	6·0	20·22	− 0·76	− 0·3			20·36		
8037	7·5	20·35	− 0·01	+ 0·1	8247	7·0	22·56	− 0·05	− 1·6	8430*	9·3	17·94	+ 0·09	− 2·8
8042	9·0	16·01	− 0·03	− 0·4	8250	9·0	16·93	+ 0·29	− 0·5	8433	8·0	19·96	+ 0·19	+ 0·5
8059	6·8	22·56	− 0·10	− 2·1	8251	7·2	23·35	− 0·06	− 0·4	8440	7·5	21·35	+ 0·06	− 0·1
8065	6·8	22·56	− 0·19	− 0·7	8258	8·3	20·78	+ 0·05	− 0·1	8449	8·0	17·52	− 0·01	− 0·5
8079	8·5	16·18	+ 0·03	− 0·1	8266	9·0	19·43	− 0·10	− 0·6	8451	6·5	20·77	+ 0·17	− 1·0
8097	6·0	20·66	− 0·08	− 1·4	8274	6·3	19·01	+ 0·12	− 1·9	8470	8·5	16·20	+ 0·03	− 0·4
8098	7·8	16·68	+ 0·03	− 0·3	8286	8·5	20·25	+ 0·07	+ 0·3	8472	9·1	16·93	+ 0·04	+ 0·2
8104*	8·0	22·85	− 0·27	− 0·9	8289	7·0	22·79	− 0·23	+ 0·5	8484	7·5	19·25	+ 0·04	− 0·5
8124	9·6	14·88	− 0·10	+ 1·5	8301	7·8	18·73	− 0·06	− 0·4	8485	7·0	22·46	− 0·19	− 0·8
8131	8·0	17·06	+ 0·03	− 2·0	8304	7·8	19·99	+ 0·06	− 1·2			22·27		
8141*	8·0	19·63	− 0·72	− 5·0	8309	8·3	17·11	− 0·07	− 1·0	8486	7·5	21·09	+ 0·03	− 0·7
8145	7·8	20·60	− 0·11	0·0	8312	8·5	16·14	+ 0·14	+ 0·4			21·02		
8152	8·3	16·03	− 0·14	+ 0·1	8321	7·1	20·51	− 0·06	− 0·2	8504	8·8	16·96	+ 0·13	− 1·1
8162	8·0	17·34	+ 0·01	− 0·1	8323	7·0	23·06	− 0·13	− 0·4	8505	8·3	18·27	+ 0·03	− 2·0
8171	7·0	22·16	− 0·01	− 0·3	8331	8·8	16·01	+ 0·03	+ 0·3	8509	8·0	17·94	+ 0·23	− 1·2
8172	7·5	20·79	+ 0·07	− 0·5	8337	8·3	19·78	− 0·10	− 1·4	8513	9·0	16·37	− 0·04	− 1·6
8195*	7·3	22·03	− 0·25	− 1·1	8344	8·5	16·62	− 0·01	− 0·2	8515	7·5	20·50	+ 0·15	− 1·4
8210*	7·5	19·15	+ 0·04	− 3·3	8363	6·8	22·41	− 0·30	− 0·9	8520	9·5	15·94	0·00	− 0·4
8211	6·5	22·42	− 0·09	+ 0·8	8367	7·7	20·95	+ 0·04	− 0·6	8526	6·6	19·38	+ 0·03	− 0·4
8214	6·0	22·68	− 0·20	+ 0·8	8377	8·0	20·96	+ 0·05	− 0·3	8539	8·0	22·69	− 0·15	− 1·1
		22·53			8387	4·8	18·14	0·00	− 0·4	8546	7·0	20·38	+ 0·05	− 0·7
8218	7·5	16·42	− 0·24	− 0·8			18·35			8548	7·5	22·96	+ 0·06	− 1·9

CAPE 1900—C.G.A., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
			0h				y	s	"			y	s	"
		y	s	"	289*	7·0	24·31	− 0·35	− 3·2	467	8·1	22·80	+ 0·07	+ 0·1
10	7·8	17·84	+ 0·03	− 0·3			24·39			476	7·2	24·23	− 0·16	+ 0·5
15	8·5	18·03	+ 0·08	− 0·6	294	8·0	19·03	− 0·02	0·0	487	6·0	24·25	− 0·08	+ 0·4
20	8·0	17·84	+ 0·19	− 0·8	313	9·3	17·94	+ 0·03	− 0·7	495*	8·4	17·91	− 0·16	+ 3·3
25*	4·0	22·90	+ 0·28	− 4·6	326	7·9	17·88	+ 0·08	+ 0·9	498	8·6	17·82	− 0·02	− 1·5
28	7·5	21·36	+ 0·06	+ 0·6	329	7·6	18·94	− 0·18	− 1·9	504	7·8	22·34	+ 0·11	+ 1·8
62	7·8	17·95	+ 0·01	− 1·0	330	5·5	24·36	− 0·04	− 0·1	522	7·3	21·94	+ 0·03	+ 0·3
70*	8·0	17·97	+ 0·76	− 1·0						528	8·3	22·03	− 0·03	+ 0·7
76	7·5	21·99	− 0·21	− 0·1						536	8·8	17·74	+ 0·03	− 0·7
119	4·0	22·67	+ 0·17	+ 1·2				1h		538	9·4	17·94	+ 0·04	− 0·2
145	8·8	17·92	− 0·07	− 1·6	340	8·6	19·94	− 0·09	− 0·3	540*	9·1	17·89	− 0·59	− 0·4
152	7·5	22·03	− 0·02	− 0·3	347	4·0	18·52	− 0·07	+ 0·7	547	9·4	17·87	+ 0·04	− 0·9
153	7·8	22·09	− 0·07	+ 0·2	350	8·4	17·92	− 0·01	+ 0·2	550	9·3	17·84	+ 0·08	− 1·7
158	7·0	19·73	− 0·10	− 1·3	356	8·3	17·94	+ 0·09	− 0·7	553*	10·0	14·13	− 0·03	− 0·1
162	8·3	18·04	+ 0·14	+ 0·6	360*	7·0	22·90	+ 0·01	+ 0·4	559	8·5	17·80	+ 0·05	− 1·8
167	7·0	24·04	− 0·12	0·0	368	8·6	19·87	+ 0·07	− 1·2	562	8·5	17·95	+ 0·01	− 0·7
186	7·5	22·02	− 0·12	+ 1·0	380	9·0	18·01	− 0·12	− 0·6	563	9·2	17·78	− 0·12	− 1·2
197	6·5	24·05	− 0·10	− 0·3	382	9·5	15·98	− 0·06	− 1·5	576	7·9	18·94	− 0·07	− 0·3
		24·08			395	9·5	15·92	+ 0·02	− 0·3	578	7·5	23·88	− 0·20	− 0·9
203	5·0	20·66	− 0·17	− 0·7	406	9·1	18·03	+ 0·18	+ 0·5	583	8·0	19·02	+ 0·09	− 0·2
208	8·5	17·96	+ 0·09	+ 2·0	409	8·2	18·83	− 0·19	− 0·7	598	8·0	20·05	− 0·11	− 0·8
215	7·0	21·69	− 0·03	− 0·1	422	8·1	19·94	+ 0·01	− 1·6	607	4·5	23·95	− 0·29	− 1·1
216	7·7	17·91	− 0·10	− 1·2	427	7·4	18·09	+ 0·04	− 1·1	610	8·0	19·93	+ 0·01	− 0·5
246	6·6	24·26	− 0·21	+ 0·7	435	7·3	23·92	+ 0·25	+ 1·1	614	9·4	17·85	+ 0·10	− 0·3
269	7·2	24·29	− 0·10	− 0·5	440	6·5	20·89	+ 0·18	+ 0·1	619	9·4	18·04	+ 0·18	0·0
277	7·9	17·80	+ 0·09	− 0·4	441	8·9	17·93	− 0·13	− 0·7	624	8·8	17·94	+ 0·17	+ 0·4
285	7·6	17·95	− 0·02	− 0·1	450	8·0	22·85	− 0·15	+ 0·7	629	5·0	23·97	+ 0·09	+ 0·9
287	8·0	18·04	− 0·01	− 0·3	452	7·0	22·37	− 0·11	− 1·2	644	8·7	17·91	+ 0·02	− 0·1
					466	7·1	23·68	− 0·21	+ 0·4	650	8·5	22·02	+ 0·11	− 1·7
										652	5·7	22·78	0·00	− 0·8

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″			y	s	″			y	s	″
655	7·9	21·18	+ 0·04	− 0·1	1119	8·1	19·86	− 0·09	− 0·2	1480	7·7	19·62	− 0·04	+ 0·1
665	8·5	17·85	+ 0·03	+ 0·7	1120	8·3	18·65	+ 0·07	0·0	1490*	6·5	22·88	+ 0·11	− 6·3
					1124	9·3	17·90	+ 0·07	− 0·1	1500	7·0	23·50	− 0·04	+ 0·5
					1139	7·3	24·40	+ 0·06	− 0·3	1509	5·5	21·39	− 0·03	+ 0·4
		2h			1140	7·9	18·69	+ 0·03	− 0·5	1520	9·4	17·11	+ 0·02	+ 0·7
					1153	6·0	24·56	+ 0·11	+ 0·2	1535	9·3	17·12	+ 0·07	− 0·2
666*	9·1	18·85	+ 0·28	+ 2·4	1155	8·3	18·95	+ 0·01	− 2·3	1538	7·7	22·09	+ 0·03	+ 0·9
686	9·4	17·83	+ 0·12	− 1·5	1156	8·7	18·00	+ 0·09	− 0·5	1539	8·7	17·09	0·00	− 0·2
690	8·8	17·98	− 0·20	− 1·5	1160	8·2	20·53	− 0·03	− 0·6	1549	7·9	22·17	− 0·05	+ 0·8
694	7·5	21·45	+ 0·04	− 1·2	1169	8·4	20·93	0·00	+ 0·1	1557	8·6	17·99	+ 0·11	+ 0·1
698	6·5	21·02	+ 0·10	− 0·2	1175	7·8	20·25	− 0·01	− 0·5	1558	8·5	18·01	+ 0·02	− 0·7
711*	7·5	24·32	− 0·12	− 2·3	1181	7·1	23·99	− 0·06	+ 0·5	1562	8·3	17·11	+ 0·10	+ 0·1
721*	8·5	19·01	− 0·04	− 2·4	1183	8·8	17·97	+ 0·03	+ 0·8	1579	7·9	21·52	− 0·07	− 0·8
730	8·8	17·90	− 0·02	− 0·3	1184	8·3	18·89	+ 0·07	+ 1·2	1588	7·9	18·04	− 0·08	+ 0·2
742	8·8	18·31	+ 0·05	+ 0·6	1190	8·4	17·95	− 0·15	− 0·7	1589*	8·5	20·97	+ 0·52	− 2·1
744	8·9	18·03	+ 0·14	− 0·8	1202	8·0	22·07	+ 0·04	− 2·0	1591	8·7	17·08	+ 0·18	+ 0·3
754	8·0	22·73	− 0·08	+ 0·7	1213	8·9	17·76	+ 0·17	+ 0·5	1593	8·8	17·10	+ 0·05	+ 0·4
775	9·0	18·02	+ 0·01	− 0·5	1216	8·3	19·93	+ 0·11	− 1·5	1600*	8·3	18·53	− 0·02	− 2·2
776	9·1	17·95	− 0·03	0·0	1221	6·7	23·41	− 0·23	+ 0·1	1607	7·0	24·09	− 0·12	+ 1·1
779	8·8	17·92	− 0·02	0·0	1236	8·7	17·61	+ 0·12	+ 1·6	1612	7·5	20·18	+ 0·08	+ 0·5
794	7·5	24·23	− 0·16	− 0·6	1239	5·8	23·30	− 0·05	+ 0·3	1621	8·3	18·06	− 0·05	+ 0·7
800	8·6	15·98	− 0·01	− 0·3	1246	9·5	17·33	+ 0·07	− 1·7	1625	8·3	17·65	− 0·06	+ 1·1
803	8·8	18·06	+ 0·10	− 1·0	1253	8·8	17·99	+ 0·14	+ 1·0	1633	7·6	21·96	− 0·09	+ 0·5
817	8·3	25·97	− 0·14	− 0·1	1256	9·0	18·78	+ 0·08	+ 0·1	1645	9·2	17·04	+ 0·07	− 0·4
823	7·7	22·93	− 0·09	− 0·1	1262	9·0	17·05	+ 0·17	+ 0·9	1651	8·1	20·07	− 0·07	− 1·1
846	8·0	24·34	− 0·11	+ 0·2	1271	7·0	23·92	− 0·06	+ 0·5	1652	8·5	18·03	0·00	− 0·2
862	8·5	21·34	− 0·02	− 0·1	1274	9·2	17·13	+ 0·12	− 0·3	1655	8·9	17·10	+ 0·07	− 0·1
879	7·9	18·87	+ 0·02	+ 1·8	1280	9·3	17·96	+ 0·08	− 0·3	1664	8·8	19·02	− 0·13	+ 0·1
883	9·3	17·95	− 0·01	− 0·8	1281	7·5	23·72	+ 0·03	+ 1·1	1674	8·3	17·07	+ 0·05	+ 0·1
889	7·7	20·68	− 0·19	− 0·7	1282	8·3	22·54	0·00	+ 1·2	1681	8·0	17·13	− 0·07	0·0
898	8·3	17·90	+ 0·11	− 1·0	1283	8·8	17·35	+ 0·01	− 0·1					
901	7·0	24·04	− 0·09	− 1·9	1285	8·0	20·71	− 0·09	− 1·3					
919	9·0	17·92	+ 0·15	− 0·6	1292	7·3	22·33	+ 0·08	− 0·8			5h		
922	7·9	23·45	0·00	− 0·5	1297	7·3	23·78	− 0·07	+ 0·3	1696	8·0	17·39	+ 0·06	+ 0·4
923	7·3	24·25	− 0·20	− 0·2	1317*	8·0	22·54	+ 0·04	− 1·4	1713	7·0	23·29	− 0·10	+ 0·1
929*	8·2	22·16	+ 0·04	− 6·3	1328	8·9	17·69	− 0·02	− 0·7	1714	8·3	18·95	− 0·16	+ 0·9
934	8·2	21·95	+ 0·04	0·0	1335	9·0	17·62	+ 0·01	− 0·6	1727*	7·6	23·18	− 0·07	+ 2·8
942	9·3	17·90	+ 0·08	− 0·5	1336	7·8	22·03	+ 0·01	+ 0·7	1740	8·8	17·14	0·00	− 0·6
946*	8·0	22·44	+ 0·26	+ 0·8						1760	8·2	17·04	− 0·03	+ 0·6
947	9·3	17·93	+ 0·08	− 1·0						1772	7·3	23·29	− 0·10	+ 1·3
966	9·0	17·87	+ 0·08	− 0·3						1789	7·4	21·99	− 0·02	+ 1·1
969	8·7	17·59	+ 0·22	− 0·7			4h			1793	8·3	17·12	− 0·07	− 1·5
975	9·1	18·04	− 0·02	− 1·1	1349	8·3	18·61	− 0·10	− 0·6	1796	8·3	17·12	− 0·05	− 1·2
976*	7·0	24·41	+ 0·04	− 3·3	1351	7·8	20·35	− 0·14	+ 0·7	1801	8·3	22·95	− 0·11	+ 0·8
986	8·0	17·95	+ 0·02	− 0·3	1362	7·7	21·48	− 0·02	0·0	1807	8·6	17·14	+ 0·06	+ 1·3
994	9·2	17·89	+ 0·13	+ 0·1	1369	8·3	17·98	+ 0·06	− 0·4	1821	6·8	22·90	− 0·06	0·0
995	7·5	21·01	− 0·18	− 0·9	1375	8·9	17·39	− 0·03	+ 0·2	1825	8·4	21·78	0·00	+ 0·3
1000	7·0	24·12	− 0·01	− 0·9	1379	7·0	23·89	+ 0·05	+ 0·7	1831	8·5	21·18	− 0·11	+ 1·8
1002	8·3	24·74	− 0·03	− 0·9	1381	7·5	18·93	− 0·14	+ 0·6	1833	8·0	21·31	− 0·04	+ 1·9
					1391	8·7	18·26	− 0·03	− 2·0	1834	7·8	20·47	− 0·16	− 0·8
					1392*	7·3	18·10	− 0·16	− 2·8	1836	9·1	17·11	− 0·06	+ 0·4
		3h			1396	8·9	17·13	− 0·05	− 0·6	1853	7·1	23·28	− 0·03	− 0·3
					1399	7·0	24·13	− 0·01	+ 0·5	1866	7·7	20·35	− 0·10	− 0·2
1006*	9·2	17·98	+ 0·01	+ 2·5			24·11					20·28		
1012	9·2	17·91	+ 0·09	− 0·5	1400	8·4	18·92	0·00	+ 0·4	1887	7·0	23·44	− 0·27	− 0·9
1021	9·2	17·64	+ 0·04	+ 0·3	1401	8·7	18·81	+ 0·10	+ 0·3	1888	8·4	21·72	− 0·07	+ 1·2
1033	8·5	17·95	− 0·10	− 0·8	1403	8·7	18·04	+ 0·04	+ 0·4	1900	8·2	20·45	− 0·16	+ 1·2
1037	8·7	17·95	+ 0·10	− 1·1	1424	8·6	17·94	+ 0·12	− 0·8	1905*	8·0	23·74	− 0 32	−11·0
1048	6·5	24·04	+ 0·17	+ 0·4	1425	8·7	17·99	+ 0·09	− 0·5	1922	8·4	21·98	− 0·06	+ 1·0
1049	8·1	22·23	− 0·06	− 0·7	1426	8·3	17·96	+ 0·08	− 1·1	1930	7·7	23·19	− 0·17	+ 0·9
1053*	7·8	20·88	− 0·23	− 1·4	1432	7·7	21·94	+ 0·01	+ 1·8	1938	7·9	22·02	− 0·01	+ 1·8
1058	8·0	17·66	+ 0·09	− 0·2	1441	5·5	22·20	+ 0·08	− 1·1	1945	9·8	17·05	+ 0·04	+ 0·7
1059	8·4	18·01	+ 0·07	+ 0·1	1443	7·5	18·49	+ 0·04	+ 0·1	1949	7·5	19·62	− 0 18	− 0·8
1064	8·1	22·47	+ 0·06	− 0·2	1446	8·9	17·16	+ 0·05	+ 0·4	1950	6·8	23·26	− 0·17	+ 0·6
1091	8·9	17·90	+ 0·12	0·0	1448	7·8	18·97	− 0·04	− 0·6	1953	8·0	21·21	− 0·13	+ 0·3
1102	7·3	23·74	− 0·13	− 1·6	1460	9·1	18·29	− 0·10	− 0·1	1954*	7·8	22·01	+ 0·10	+ 2·7
1105	8·0	18·88	+ 0·04	− 0·1	1468	7·3	21·38	− 0·09	+ 0·4	1966	9·2	17·32	− 0·03	− 0·7
1110	8·3	19·98	+ 0·15	− 1·0	1469	8·3	21·74	− 0·04	− 0·1	1970	7·9	19·15	− 0·06	+ 1·0
1118	7·8	18·62	+ 0·05	− 0·1	1474	7·0	23·91	− 0·07	+ 1·5	1994	7·5	20·54	− 0·15	− 0·4

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
1999	7·9	21·88	− 0·14	+ 0·3
2005	8·3	17·17	− 0·05	− 0·3
2013*	7·2	22·01	+ 0·13	+ 2·2
2034	8·0	17·13	+ 0·04	+ 0·8
3038	8·5	14·99	− 0·10	+ 2·0
		6h		
2060*	8·0	17·11	− 0·04	+ 2·7
2066	7·8	21·84	+ 0·03	− 0·7
2069	7·4	23·43	+ 0·03	+ 1·1
2071*	7·6	21·40	− 0·28	+ 0·1
2078	7·3	23·52	− 0·14	+ 0·5
2079	8·5	21·97	− 0·02	+ 0·3
2081	8·6	18·98	− 0·07	− 1·0
2096	6·5	23·26	− 0·13	− 0·8
2098	8·4	21·84	− 0·09	− 0·1
2101	8·9	18·92	− 0·10	+ 1·6
2113	8·4	17·98	− 0·02	− 1·0
2126	9·0	17·05	− 0·03	− 0·9
2127	8·6	17·89	− 0·08	+ 0·5
2132	8·1	25·30	− 0·11	− 0·1
2159*	8·4	17·91	+ 0·34	+ 0·4
2169	7·7	22·83	− 0·21	− 0·4
2175*	8·5	17·11	+ 0·27	− 1·3
2179*	8·2	17·95	+ 0·53	+ 2·9
2198	8·5	25·06	− 0·12	+ 1·6
2209	7·5	22·95	− 0·12	+ 0·8
2227	8·0	17·16	+ 0·04	+ 0·3
2229	7·6	21·68	− 0·04	− 0·5
2243	8·3	17·84	− 0·02	− 0·3
2253	8·4	17·93	− 0·06	− 0·2
2261	8·0	21·32	− 0·03	+ 1·2
2286	7·3	23·45	− 0·10	+ 0·3
2314	7·4	21·88	− 0·12	+ 1·0
2315	7·5	21·90	− 0·07	+ 0·5
2323	7·5	21·23	+ 0·02	+ 1·3
2329	8·1	17·07	− 0·01	− 0·9
2360	8·5	17·92	+ 0·06	− 1·2
2363	7·8	17·89	− 0·07	− 0·7
2369	8·3	17·88	− 0·05	− 0·9
2394	7·2	23·37	− 0·16	+ 0·5
2402	7·3	22·48	− 0·14	− 0·4
2404	8·0	19·06	− 0·05	0·0
2413	8·4	20·62	− 0·09	− 0·1
2428	7·9	18·94	− 0·18	− 0·2
		7h		
2445	7·7	17·16	− 0·01	− 1·5
2464	7·8	23·12	− 0·20	+ 0·3
2469	8·2	18·93	− 0·15	+ 0·3
2475	8·5	19·06	− 0·18	− 0·8
2481	8·6	17·18	− 0·12	− 0·6
2484	8·3	18·02	− 0·05	− 0·6
2490*	5·0	20·20	− 0·41	+ 1·9
2497	5·5	23·14	− 0·10	− 1·9
2500*	5·7	23·53	+ 0·10	+ 8·5
2503	7·9	20·27	− 0·10	+ 0·1
2509	6·5	23·01	− 0·16	− 0·7
2513	8·0	17·09	− 0·04	+ 0·3
2520	9·4	17·94	+ 0·04	− 0·7
2524*	7·5	20·71	− 0·27	+ 12·7
2534	7·8	22·00	− 0·08	+ 0·7
2553	8·6	17·95	− 0·19	− 1·2
2565	9·1	17·12	− 0·04	− 0·1
2580	8·8	17·12	− 0·09	− 0·3
2581	8·5	17·91	− 0·03	− 0·4
2585	7·9	18·96	− 0·14	− 0·2
2588	8·5	19·51	− 0·13	− 0·3
2596	8·4	21·56	− 0·15	− 0·1
2603	8·3	17·97	+ 0·04	− 0·2
2604	9·0	17·95	− 0·13	− 0·3
2626	8·4	22·88	− 0·28	+ 0·7
2630	8·1	20·36	− 0·16	+ 1·5
2631	7·0	20·79	− 0·09	− 0·4
2640	8·3	17·98	− 0·14	− 0·3
2641	7·3	21·50	− 0·18	0·0
		21·66		
2642	7·9	18·92	− 0·28	− 0·7
2650	8·1	17·98	+ 0·03	− 0·7
2652	9·0	17·13	+ 0·01	− 0·6
2653	8·0	17·14	− 0·03	− 0·2
2673	7·5	23·18	− 0·06	0·0
2675	8·6	17·81	− 0·04	0·0
2679*	6·5	23·11	− 0·32	− 12·0
2686	8·3	17·78	− 0·10	− 0·7
2687	8·0	17·86	+ 0·03	− 0·1
2698	8·1	19·36	− 0·15	− 0·9
2706	7·9	18·84	− 0·19	+ 0·1
2710	7·7	22·07	− 0·21	+ 0·1
2715	5·9	21·97	− 0·06	+ 0·5
2716	7·5	20·84	− 0·20	− 0·2
2723	8·3	18·97	− 0·07	+ 0·3
2730	4·0	21·51	− 0·18	− 0·3
2731	7·0	23·03	− 0·23	+ 0·1
2738	8·4	21·88	− 0·11	+ 1·1
2748	8·6	19·91	− 0·03	− 1·4
2752	8·5	18·90	− 0·16	− 0·8
2761	8·2	18·90	− 0·12	− 0·5
2764	7·5	22·85	− 0·12	+ 1·1
2771	8·0	17·92	− 0·06	− 0·7
2772	7·0	21·85	− 0·10	+ 0·8
2778	8·4	20·03	− 0·08	− 0·9
2781	7·9	22·80	− 0·19	+ 0·7
2782	7·4	21·99	− 0·17	+ 0·8
2797	7·8	20·06	− 0·07	− 1·0
2799	8·0	17·15	− 0·07	+ 0·2
2813	7·4	19·49	− 0·14	− 0·2
		19·87		
		8h		
2829	8·3	20·56	− 0·17	− 0·3
2834	7·2	20·91	− 0·17	+ 0·5
2835	7·8	21·11	− 0·08	+ 0·7
2840	8·0	17·98	0·00	− 0·7
2842	7·7	17·97	− 0·08	− 0·9
2857	8·7	17·88	− 0·04	0·0
2860	5·9	23·44	− 0·12	− 0·3
		23·54		
2867	8·3	18·84	− 0·23	− 0·4
2872	7·2	22·42	− 0·21	− 0·3
2874*	8·3	23·97	− 0·37	+ 1·4
2887	5·8	23·95	− 0·19	− 1·2
2894	7·3	23·05	− 0·19	+ 0·1
2902	8·5	18·79	− 0·17	+ 0·3
2913	7·8	24·00	− 0·19	+ 0·1
2916	7·9	18·31	− 0·10	+ 0·3
2924	8·3	19·50	− 0·18	− 0·6
		19·22		
2925	7·3	21·30	− 0·21	+ 0·1
2928	8·5	17·85	− 0·04	− 0·9
2932	9·0	17·14	− 0·03	− 1·7
2936	8·1	17·18	− 0·07	− 0·4
2939	8·6	20·03	− 0·14	− 0·4
2945	8·3	19·99	− 0·05	− 1·5
2954	8·3	21·83	− 0·13	+ 2·0
2960	8·4	17·90	− 0·12	− 0·5
2973	7·8	21·92	− 0·03	− 0·1
2988	8·5	15·18	− 0·11	+ 0·1
2993	7·9	18·83	− 0·13	− 0·4
2998	7·0	18·93	− 0·14	− 0·1
3008	7·5	21·84	− 0·06	+ 0·7
3016	7·4	21·10	− 0·13	− 0·8
3017	7·0	21·07	− 0·08	+ 0·5
3027	8·1	17·81	− 0·03	+ 0·7
3035	7·8	19·85	− 0·09	− 0·7
3038	8·0	20·01	− 0·16	− 0·5
3039	7·6	23·84	− 0·12	− 0·6
3047	7·5	23·19	− 0·12	− 0·4
3056	8·8	19·91	− 0·10	− 0·6
3064	6·5	21·95	0·00	+ 0·3
3067	8·8	19·69	− 0·12	− 1·0
3070	5·0	23·33	− 0·17	+ 0·4
3073	6·0	23·17	− 0·14	+ 0·4
3075	6·0	23·89	− 0·16	− 0·3
3076	8·4	18·91	− 0·09	− 0·2
3082	7·9	19·14	− 0·22	− 1·2
3091	7·6	17·87	− 0·06	− 0·4
3094	8·3	19·76	− 0·05	− 1·1
3096*	7·5	21·13	− 0·41	+ 3·6
3104	7·6	19·83	− 0·03	− 1·0
3105	7·4	21·46	− 0·13	− 0·3
3107	7·3	21·93	− 0·13	+ 0·3
3126	9·2	17·85	− 0·05	− 0·9
3127	6·0	23·01	− 0·13	+ 0·4
3133	5·5	23·98	− 0·05	− 1·4
3143	8·1	19·96	− 0·09	− 1·0
3156	6·0	22·27	− 0·11	− 0·6
3166	7·0	22·25	− 0·19	+ 0·8
3190*	6·0	23·89	− 0·38	+ 0·7
3191	7·8	20·33	− 0·06	− 0·8
3197	8·0	17·91	− 0·16	− 0·1
		9h		
3222	7·3	22·32	− 0·22	+ 0·7
3223*	5·0	23·33	− 0·35	− 0·3
3245	7·3	20·12	− 0·09	+ 0·4
3258	7·6	22·90	− 0·22	− 0·4
3259	8·2	17·83	− 0·07	− 0·7
3272	6·3	23·86	− 0·27	− 0·4
3277	7·5	20·88	− 0·27	− 1·2
3283	6·5	20·91	− 0·18	+ 0·2
3296	7·3	23·78	− 0·21	− 0·5
3305	7·5	23·16	− 0·13	+ 0·1
3309	8·6	20·08	+ 0·03	− 1·8
3317	8·6	19·38	− 0·25	0·0
3318	7·8	17·95	− 0·07	− 0·5
3321*	8·0	19·83	− 0·38	+ 4·4
3322	8·1	17·91	− 0·13	+ 1·0
3330	7·7	20·73	− 0·03	+ 0·3
3333	8·2	19·87	− 0·19	− 0·4
3335	8·1	20·91	− 0·10	− 0·3
3339	7·4	21·16	− 0·07	+ 0·2
3345	8·2	20·73	− 0·08	− 0·8
		20·58		
3352	7·3	22·81	− 0·19	+ 0·6
3353	6·5	22·78	− 0·23	+ 0·5
3363	8·0	21·02	− 0·24	− 0·3
3384	8·8	17·92	− 0·07	+ 0·3
3387	7·6	21·98	− 0·23	+ 0·5
3393	7·8	19·10	− 0·20	+ 0·5
3410	8·3	19·81	− 0·13	+ 0·3

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

Cape 1900—C.G.A., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
3420	7·8	17·73	− 0·12	+ 0·4
3469	8·9	19·32	− 0·10	− 1·2
3472	7·9	20·11	− 0·10	− 1·4
3491*	8·1	20·30	− 0·39	− 1·3
3497	8·1	23·14	− 0·15	+ 0·6
3501	6·5	23·17	− 0·10	− 0·2
3505	9·0	17·82	− 0·06	− 0·7
3515	8·3	17·90	− 0·24	− 0·6
3521*	5·8	23·85	− 0·36	− 0·9
3527	9·0	17·75	− 0·12	− 1·1
3531	7·3	22·99	− 0·25	+ 0·5
3533	7·0	17·74	− 0·22	− 0·6
3553	7·8	18·89	− 0·20	− 0·2
3564	7·8	19·81	− 0·17	− 0·6
3565	8·4	17·82	+ 0·02	+ 0·8
3576	6·5	22·90	− 0·18	+ 0·6
3584	8·0	18·81	− 0·18	− 0·2
3586	8·2	17·80	− 0·02	+ 0·4
3598	8·2	19·91	− 0·06	− 1·1
3610	6·9	22·85	− 0·23	− 0·1
3617	8·7	19·01	+ 0·01	− 1·2
			10h	
3624	8·0	19·14	− 0·12	+ 0·1
3632	5·3	22·99	− 0·04	− 0·9
3650	7·1	21·17	− 0·07	− 0·7
3656	8·4	19·89	− 0·11	− 1·2
3658	7·8	21·94	+ 0·07	+ 0·5
3661	7·5	20·22	− 0·06	+ 0·4
3700	7·3	22·77	− 0·25	− 0·7
3708	9·5	21·95	− 0·06	+ 1·5
3714	7·8	19·22	− 0·03	+ 0·3
3717	6·7	22·80	− 0·16	+ 0·1
3732	8·0	21·85	− 0·10	− 0·3
3760	7·3	22·90	− 0·05	− 2·0
3767	8·1	17·89	− 0·12	− 0·7
3795	7·0	20·94	− 0·13	− 1·1
3820	7·6	20·01	− 0·05	− 2·1
3845	7·4	18·37	− 0·05	− 0·5
3849	7·9	21·91	− 0·29	+ 1·0
3890*	7·5	19·90	− 0·35	+ 0·9
3892	7·8	20·32	− 0·20	+ 0·2
3912	8·1	21·85	+ 0·01	− 0·5
3928	8·6	18·77	− 0·05	+ 0·7
3948	7·3	22·94	− 0·25	+ 0·1
3950	8·0	21·94	− 0·01	+ 0·9
3962	8·0	19·32	− 0·12	− 0·4
3963	8·0	21·89	+ 0·11	+ 0·4
			11h	
3988	6·5	22·11	− 0·31	+ 0·4
3993	7·8	21·18 21·13	− 0·13	− 1·2
4002	7·6	21·27	− 0·12	0·0
4031	7·8	22·77	− 0·13	− 0·4
4038	7·0	21·77	− 0·10	− 0·2
4040	8·1	21·77	− 0·20	− 0·5
4064*	7·5	20·91 20·32	− 0·43	− 1·2
4065	8·0	22·40 22·49	− 0·13	− 1·2
4076	7·8	17·93	− 0·03	+ 0·2
4078	8·5	21·94	− 0·14	+ 1·2
4091	7·8	21·79	0·00	+ 0·1
4093	9·1	17·94	− 0·01	+ 0·1
4102	7·4	23·97	− 0·28	− 0·9
4107	9·1	17·85	− 0·13	− 0·2
4143	8·2	19·13	− 0·25	− 0·7
4150	8·2	20·82	− 0·22	− 0·5
4163	8·2	22·22	− 0·26	− 0·7
4168	8·8	17·99	+ 0·09	− 1·6
4188	7·1	22·94	− 0·29	− 0·9
4190	8·9	17·79	− 0·05	− 0·1
4192	5·8	23·10	− 0·08	− 1·5
4207	7·8	19·74	− 0·17	− 1·0
4213	8·0	19·66	− 0·20	− 0·3
4234	8·7	18·84	− 0·13	+ 0·1
4238	8·5	17·76	− 0·17	− 0·6
4250	8·7	19·01	− 0·20	− 0·1
4252	6·0	22·38	− 0·24	− 0·4
4277	7·9	17·85	− 0·04	− 1·5
4281	5·0	23·85	− 0·28	− 0·8
4300	7·7	18·96	− 0·05	− 1·6
4317*	7·2	23·93	− 0·54	− 0·6
4326	8·5	17·82	− 0·13	+ 0·2
4330	7·8	21·90	− 0·07	+ 0·3
4335	7·5	22·82	− 0·09	0·0
4338	8·3	18·46	− 0·39	− 1·4
4339	8·7	20·00	− 0·22	− 1·1
4341	8·0	18·93	− 0·23	− 0·8
4354	7·5	21·84	− 0·03	− 0·4
			12h	
4381	7·8	21·90	− 0·19	− 0·3
4442	8·3	18·90	− 0·19	− 1·4
4451	7·9	20·38	− 0·01	− 0·8
4480*	8·1	17·91	+ 0·12	− 0·7
4483	8·0	21·82	− 0·07	+ 0·8
4493	7·8	19·73	− 0·19	+ 0·6
4506	9·0	21·48	− 0·14	− 1·4
4527	7·6	18·96	− 0·05	− 1·8
4560*	4·0	23·86	− 0·71	− 1·1
4561	8·1	19·85	− 0·20	− 0·9
4564	8·6	19·77	− 0·04	0·0
4570	8·5	19·82	+ 0·02	+ 0·5
4583	8·2	19·87	− 0·02	− 1·2
4589	8·8	15·78	− 0·13	+ 0·3
4603	8·4	17·95	+ 0·03	− 0·6
4609	7·9	19·86	+ 0·07	− 0·1
4610	8·6	17·85	− 0·07	+ 0·8
4615	8·1	20·06	− 0·20	− 1·6
4622	7·6	23·91	− 0·13	+ 0·4
4630	8·6	19·42	− 0·11	− 2·0
4635	7·0	23·85	− 0·29	− 0·6
4636	7·9	20·88	− 0·12	− 1·4
4646*	7·2	23·97	− 0·40	− 0·9
4652	7·9	18·91	− 0·19	− 0·3
4667	7·9	25·83	− 0·32	− 0·3
4673	7·6	23·29	− 0·34	− 0·1
4675	8·0	18·88	− 0·22	+ 0·3
4680	8·2	18·81	− 0·04	+ 0·1
4701	7·8	21·60	− 0·08	− 2·0
4714	8·6	19·00	− 0·14	0·0
4718	7·7	20·98	− 0·17	− 0·5
4722	8·8	15·91	− 0·14	− 0·7
			13h	
4733	7·9	22·91	− 0·17	− 1·3
4737	8·7	19·98	− 0·12	− 1·2
4742	8·5	15·93	− 0·14	− 0·9
4751	7·3	22·30	− 0·14	− 0·9
4754	8·0	20·04	− 0·14	0·0
4768	8·1	19·80	− 0·07	− 0·2
4797	7·3	23·84	− 0·20	+ 0·5
4805	7·0	23·99	− 0·25	− 1·6
4809	8·6	20·94	− 0·09	+ 0·1
4811	7·0	22·88	− 0·19	− 1·0
4821*	7·0	22·84	− 0·42	0·0
4833	7·3	23·34	− 0·22	− 0·7
4836	8·1	21·54	− 0·17	− 0·6
4851	7·8	21·62	− 0·08	− 1·4
4857	8·4	19·41	− 0·15	− 1·0
4883	7·8	23·53 24·10	− 0·25	− 0·5
4888*	7·6	19·91	+ 0·06	− 2·5
4890	8·0	22·23	− 0·14	+ 1·3
4891	7·6	21·02	− 0·17	− 1·0
4892	9·1	17·98	− 0·11	− 0·7
4899	7·2	22·85	− 0·19	− 1·2
4916	6·3	22·83	− 0·22	− 1·3
4930	7·7	22·88	− 0·25	− 0·8
4940	7·5	21·91	− 0·14	− 1·2
4970	8·1	25·09	− 0·08	− 1·0
4977	8·4	19·95	− 0·20	− 1·4
4987	8·5	17·97	− 0·05	− 1·1
4988	7·9	19·84	− 0·13	+ 0·4
5003	6·0	21·86	− 0·07	− 0·7
5005	7·8	21·85	− 0·05	− 1·6
5019	7·0	22·92	− 0·26	− 0·7
5024	7·0	20·78	− 0·30	− 0·6
5039	7·8	21·80	− 0·04	− 1·0
5044	4·5	23·83	− 0·15	− 1·6
5050*	7·7	22·83	− 0·35	− 2·7
5057	7·2	23·78	− 0·19	+ 0·3
5066	5·0	24·10	− 0·19	− 0·5
5075	7·9	22·87	− 0·21	− 1·4
5079	8·7	17·84	− 0·10	− 0·8
			14h	
5091	7·3	22·28 22·08	− 0·22	− 0·4
5106	8·5	17·84	− 0·18	− 3·1
5107	8·1	23·97	− 0·13	− 0·5
5110	7·8	18·48	− 0·22	− 0·6
5143*	7·0	23·86	+ 0·13	− 3·7
5152*	7·4	17·82	− 0·07	+ 2·1
5166	7·8	19·06	− 0·18	− 0·7
5170	6·0	23·87	− 0·05	− 3·0
5178	8·8	18·12	− 0·10	− 1·7
5179	8·3	20·06	− 0·09	− 0·9
5180	8·5	18·95	− 0·03	+ 0·3
5182	6·5	23·81	− 0·26	+ 1·0
5191	8·3	18·87	− 0·16	− 1·9
5200	8·3	18·91	− 0·12	− 1·3
5208	5·0	23·97	− 0·16	− 1·5
5218	7·8	21·82	− 0·19	− 0·1
5223	7·0	23·86	− 0·25	− 1·2
5230	8·1	19·40	+ 0·05	− 0·3
5239	7·9	22·85	− 0·12	− 0·2
5240	7·8	19·90	− 0·18	+ 1·2
5247	8·5	17·76	− 0·04	− 0·2
5251	8·3	25·17 25·12	− 0·14	− 1·5
5257	7·9	23·28 23·20	− 0·26	− 1·8
5263	8·1	22·31	− 0·08	− 1·3
5264	8·5	18·44	− 0·11	+ 0·8
5266	8·4	17·86	− 0·21	0·0

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
5269	7·8	21·94	− 0·09	− 0·1
5280	7·5	23·89	− 0·27	− 0·9
5288*	7·0	22·17	− 0·53	− 5·2
5291	8·6	20·91	− 0·10	− 0·7
5295	8·1	20·05	− 0·10	− 1·4
5304	7·7	20·39	− 0·10	− 0·1
5310	7·4	23·91	− 0·18	− 1·5
5329	7·6	21·93	− 0·13	− 2·1
5332	7·0	23·96	− 0·30	− 1·1
5337	8·3	19·96	− 0·07	− 1·1
5370	7·4	21·15	− 0·05	− 2·1
5379	9·0	17·77	− 0·17	+ 0·1
5386	8·1	19·97	+ 0·02	− 0·9
5388	8·4	20·12	− 0·12	− 0·6
5392	8·3	17 91	− 0·05	− 0·8
5394	7·5	24·47	− 0·10	− 1·0
5402	8·8	17·83	− 0·11	− 2·3
5404	7·8	16·95	− 0·13	0·0
5410	8·9	18·77	− 0·04	− 0·3
5411	7·8	21·94	− 0·11	− 1·3
5422	8·4	17·83	− 0·13	− 2·2
5424	9·1	15·91	− 0·24	+ 0·6
5440	4·0	23·91	− 0 22	− 1·1
5441	8·8	17·93	− 0·13	+ 0·4
5444	8·5	18·86	− 0·10	+ 0·3
		15h		
5461	7·8	18·76	− 0·32	− 2·2
5470	5·0	23·97	− 0·18	− 1·1
5485	8·1	17·99	+ 0·07	− 0·3
5486	7·1	23·95	− 0·20	− 1·7
5490	5·2	23 88	− 0·20	− 0·4
5491	8·1	18·89	− 0·08	+ 0·8
5504	7·4	23·10	− 0·14	− 1·0
5508	8·6	18·41	− 0·21	− 0·4
5512	7·3	21·96	− 0·13	− 0·3
5515	7·7	21·93	− 0·18	+ 0·1
5516*	7·5	23·82	− 0·45	0·0
5525	8·9	17·94	+ 0·02	− 0·5
5542	7·3	21·45	− 0·01	− 0·3
5545*	7·0	23·95	− 4·05	− 7·3
5547	6·0	23·93	− 0·38	− 3·0
5554	9·2	17·74	− 0·05	+ 0·8
5556	7·3	20·82	− 0·05	+ 0·6
5569	8·1	17·86	− 0·22	− 1·5
5577	8·0	21·95	+ 0·07	− 0·3
5595	8·8	17·82	+ 0·04	− 2·2
5598	8·7	15·77	− 0·11	+ 0·4
5602	7·7	22·02	− 0·10	− 0·5
5610	7·3	22·91	− 0·11	− 1·4
5615	8·5	21·81	− 0·15	− 1·4
5624	8·5	18·80	0·00	− 0·5
5629	9·3	18·79	− 0·13	− 0·1
5631	5·0	22·85	− 0·15	− 1·1
5641	9·0	18·84	− 0·01	− 1·0
5649	7·4	22·09	+ 0·06	− 0·5
5661	7·9	17·81	+ 0·04	+ 0·4
5666*	5·2	18·18 17·96	− 0·43	− 4·9
5669	8·5	21·98	− 0·03	+ 0·2
5674	8·0	18·83	− 0·08	+ 0·4
5687	8·7	17·90	− 0·03	− 0·4
5699	8·5	17·77	− 0·02	+ 0·5
5723	7·5	23·85	− 0·01	− 1·2
5724	9·2	18·16	+ 0·02	− 0·7
5728	7·3	23·81	− 0·29	+ 0·1
5746	9·4	17·75	+ 0·10	+ 1·3
5749	8·5	22·80	− 0·09	− 0·2

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
5753	7·3	21·84	0·00	− 0·9
5765	6·8	22·27	− 0·37	− 1·6
5771	7·8	19·53	0·00	− 0·1
5781	8·0	19·97	− 0·04	− 1·6
5784	8·8	17·85	− 0·13	+ 0·3
5786	7·5	17·89	− 0·29	− 2·2
5792	8·8	17·65	− 0·10	+ 0·7
5805	9·2	17·70	+ 0·06	+ 0·3
5816*	5·0	23·84	− 0·11	+ 1·4
		16h		
5824	8·6	17·88	− 0·03	− 0·1
5827	7·3	22·77	− 0·16	− 1·7
5830	8·3	18·83	− 0·03	+ 0·4
5835	8·8	18·71	− 0·13	0·0
5850	9·6	15·82	+ 0·07	+ 0·4
5863	8·2	22·87	− 0·18	− 1·7
5870	8·3	21·90	− 0·05	− 1·0
5874	8·0	17·86	− 0·02	− 1·3
5892	8·0	17·66	− 0·09	+ 0·6
5897	9·3	18·85	− 0·12	− 0·3
5899	7·3	21·78	− 0·01	− 0·1
5901	7·5	24·86	− 0·10	− 0·4
5903	8·3	18·90	+ 0·02	− 0·6
5919	7·9	23·84	− 0·08	− 0·2
5920	7·1	23·84	− 0·10	− 0·2
5930*	8·3	17·67	− 0 02	+ 2·3
5934	7·7	21·39	− 0·14	+ 0·1
5943	8·4	20·59	− 0·05	+ 0 7
5946	8·2	20·27	− 0·13	+ 0·3
5959	9·2	17·70	− 0 12	+ 1·9
5967	8·5	18·64	− 0·04	− 0·5
5971	9·3	17·64	− 0·11	+ 1·2
5974	9·3	18·84	− 0·07	+ 0·5
5975	7·5	23·92	− 0·14	− 0·4
5982	7·8	18·88	− 0·12	− 0·9
5989	8·3	17·81	− 0·04	− 0·6
6001	8·0	19·87	− 0·08	− 0·7
6011	8·1	17·78	+ 0·02	+ 0·4
6015	8·2	19·72	− 0·02	− 1·3
6018	7·3	21·61	0·00	− 0·2
6021	8·0	22·18 22·34	+ 0·02	+ 0·7
6025*	7·5	23·32	+ 0·03	− 2·8
6027	8·7	17·75	− 0·04	− 0·6
6031	6·9	22·60 22·90	− 0·04	0·0
6035	9·2	17·59	− 0·02	0·0
6039	8·2	18·83	+ 0·01	− 0·6
6041	7·7	17·61	− 0·13	+ 0·2
6050	6·8	23·95	− 0·11	− 1·9
6054*	8·8	18·63	− 0·06	− 2·4
6057	8·0	20·99	− 0·02	− 0·3
6066	7·8	17·84	− 0·23	+ 0 2
6069	8·3	17·71	+ 0·03	− 0·4
6092	8·6	17·86	− 0·10	+ 0·9
6095	8·2	17·61	− 0·09	+ 1·5
6103	8·5	17·90	+ 0·05	0·0
6122	8·6	15·77	− 0·11	+ 0·3
6128	8·2	17·72	+ 0·01	+ 0·8
6138	7·3	19·77	− 0·06	+ 0·4
6140	7·7	21·74	0·00	+ 0·1
6144	8·6	17·82	− 0·05	0·0
6145	8·8	17·83	− 0·09	− 0·7
6150	8·4	17·64	− 0·03	+ 0·1
6152	8·4	17·81	0·00	+ 1·1
6160	7·9	20·01	0·00	+ 0·7
6162	8·7	17·84	− 0·08	− 0·3
6170	7·8	18·78	− 0·02	0·0

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
			17h	
		y	s	″
6176*	7·4	22·70	− 0·34	0·0
6180	8·5	17·89	+ 0·01	+ 0·5
6190	7·5	22·78	+ 0·01	+ 0·7
6191	8·4	18·60	− 0·08	− 1·0
6193	5·8	23·12 23·61	− 0·21	− 0·4
6201	8·3	18·64	− 0·10	− 2·1
6209	7·6	22·83	− 0·18	− 1·0
6212	9·0	17·73	− 0·04	+ 0·1
6214	8·5	18·83	− 0·04	− 0·5
6217	8·0	18·72	− 0·15	− 1·2
6219	8·6	17·80	− 0·03	+ 1·5
6221	8·3	20·63	− 0 16	+ 0·2
6229	7·4	21·64	0·00	+ 0·5
6238	8·0	20·90 20·85	− 0·04	− 0·7
6241*	6·0	18·32	+ 1·62	+ 4·2
6243	7·4	22·70	− 0·06	+ 0·1
6248	8·2	17·73	− 0·05	+ 0·7
6251	7·8	22·92	− 0·12	− 1·6
6264	8·8	17·79	− 0·01	+ 1·4
6266	7·7	21·39	− 0·07	− 0·2
6271	6·0	22·38	− 0·12	− 1·2
6274	7·5	21·38	− 0·07	+ 0·8
6275	7·3	21·44 21·85	0·00	0 0
6280	8·6	17·61	− 0·01	+ 0·4
6288	8·3	19·64	− 0·14	0·0
6289	7·8	17·86	− 0·03	− 0·1
6293	7·5	21·66	− 0·15	− 0·6
6294	8·0	19·30 19·39	− 0·11	− 1·6
6299	7·8	22·82	− 0·21	0·0
6305	8·0	22·59	− 0·20	− 0·5
6316	8·8	18·63	− 0·15	− 1·2
6318	7·3	21·89	− 0·05	− 0·2
6321	9·2	17·89	+ 0·05	− 0·7
6327	8·8	18·68	+ 0·07	− 0·2
6329	7·5	21·51	− 0·07	− 0·3
6331	8·0	22·01	− 0·01	− 0·5
6338	5·2	23·81	− 0·22	− 1·1
6343	8·5	17·61	− 0·08	+ 0·7
6345*	8·4	19·85	+ 0·30	− 0·2
6351	8·8	19 99	− 0·08	− 0·5
6357	8·5	19·63	− 0·29	− 0·1
6371	6·5	23·88	− 0·08	− 1·0
6374	7·5	22·76	+ 0·04	0·0
6376	8·3	18·92	− 0·11	− 0·6
6379	7·8	23·90	− 0·21	− 1·2
6384	7·3	22·01	− 0·02	− 0·3
6391	8·5	15·84	+ 0·06	− 0·6
6393	7·4	21·53	− 0·01	0·0
6396	7·7	17·68	− 0·14	+ 1·5
6398	8·0	20·85	− 0·03	0·0
6410	8·4	21·83	− 0·04	− 0·2
6411	8·6	18·86	− 0·09	− 2·3
6412	7·5	22·36	− 0·01	+ 1·1
6417	8·5	18·06	− 0·03	+ 0·2
6418	8·3	21·49	− 0·07	− 1·3
6423	7·5	20·32	− 0·05	+ 0·2
6431	7·0	21·18	− 0·06	+ 0·5
6436	9·0	17·88	+ 0·11	− 0·2
6438	9·0	20·87	− 0·10	− 0·5
6453	8·4	19·00	− 0·11	− 1·4
6455	8·7	17·94	− 0·02	− 0·3
6456	8·0	22·08	+ 0·06	− 0·4
6459	5·0	23·73	− 0·20	− 0·7

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −44° to −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
6468	8·6	21·63	+ 0·03	− 0·9
6470	8·0	21·89	+ 0·03	+ 0·1
6475	8·5	22·87	− 0·11	− 0·9
6491	8·7	18·84	0·00	− 0·4
6507	8·3	21·77	− 0·05	− 0·6
6513	8·1	21·03	− 0·06	− 0·2
6517*	8·0	19·77	− 0·05	− 3·1
		18h		
6529	7·9	22·52	− 0·01	− 1·1
6535	6·5	21·77	− 0·13	− 0·6
6548	8·9	22·76	− 0·07	− 0·8
6554	8·0	22·08	+ 0·07	− 0·1
6561	8·0	22·68	− 0·15	+ 0·4
6568	7·0	23·86	+ 0·05	− 0·4
6577	9·0	18·57	− 0·14	− 0·8
6588*	7·4	22·86	− 0·18	− 3·6
6592	8·2	22·85	− 0·04	− 1·5
6594	8·2	18·77	− 0·07	− 0·7
6619	5·8	24·03	+ 0·01	− 0·8
6624*	8·3	22·80	− 0·37	− 2·3
6634	4·0	21·92	+ 0·02	− 1·3
6636	8·8	15·84	− 0·01	− 0·5
6649	8·2	20·78	− 0·12	− 0·7
6650	8·7	15·70	− 0·09	+ 0·5
6655	7·7	21·96	− 0·07	− 0·3
6657	8·0	22·85	− 0·18	− 0·7
6661	6·0	23·91	− 0·10	− 0·6
6663	8·5	17·82	− 0·04	− 0·3
6691	7·8	23·89	− 0·17	− 0·9
6721	7·2	22·94	− 0·19	− 1·6
6742	7·4	22·91	+ 0·03	− 1·2
6750	9·3	17·83	− 0·01	+ 0·3
6756	8·3	20·00	− 0·09	− 0·4
6757	8·8	19·77	− 0·04	− 0·6
6761	7·2	24·10	+ 0·01	+ 1·5
6765	7·7	23·78	− 0·21	− 0·9
6766	8·3	20·79	− 0·03	− 1·1
6773	8·1	17·91	− 0·07	+ 0·2
6774	6·0	20·79 21·23	− 0·06	+ 0·2
6775	8·2	18·85	+ 0·08	− 0·3
6782	7·3	23·76	− 0·28	− 1·6
6788	9·1	17·98	+ 0·03	− 2·5
6801	7·9	20·14	+ 0·07	− 0·9
6805	7·9	21·42	− 0·03	− 1·9
6816	8·3	19·97	0·00	− 0·3
6817	8·1	21·83	+ 0·17	− 1·3
6825	8·0	22·87	− 0·14	− 1·1
6831	8·5	17·89	+ 0·07	+ 1·9
6838*	7·5	22·93	− 0·04	− 3·4
6839	7·8	19·37	− 0·01	− 1·0
6843	7·7	22·81	− 0·07	− 0·8
6846	8·5	20·84	+ 0·07	− 0·9
6849	8·6	18·93	+ 0·14	− 1·1
6861	7·5	22·12	− 0·01	− 0·8
6862	8·0	21·96	+ 0·06	+ 0·1
		19h		
6880	8·0	18·91	− 0·02	− 2·4
6884	8·4	17·93	+ 0·06	+ 0·1
6891	8·3	19·92	− 0·13	− 1·3
6896*	8·0	18·57 18·65	+ 0·09	− 3·1
6900	9·2	17·82	− 0·02	− 0·7
6901	6·5	23·97	− 0·02	− 2·5
6909	6·0	22·79	− 0·07	− 0·6
6922	7·0	21·94	+ 0·06	− 0·4
6928	7·4	17·85	+ 0 16	− 0·7
6938	7·3	21·95	+ 0·10	− 0·5
6942	9·4	17·84	+ 0·06	+ 1·0
6949	8·5	17·83	+ 0·06	+ 0·9
6958	9·2	15·88	+ 0·05	− 0·4
6961	7·5	18·84	+ 0·16	− 0·8
6962	7·0	22·87	− 0·12	− 0·3
6970	7·3	22·88	− 0·02	− 0·3
6981	8·1	20·16 20·12	− 0·10	− 1·9
6998	7·0	22·93	0·00	− 1·6
7002*	7·0	24·39	− 0·42	+ 0·6
7004	8·2	19·93	− 0·02	− 1·0
7005*	7·5	22·88	+ 0·15	− 3·5
7006	6·0	22·80	+ 0 03	− 0·5
7010	9·5	18·84	+ 0·04	− 0·8
7024	8·0	22·82	+ 0·01	− 0·2
7026	8·3	17·83	+ 0·12	+ 1·1
7032	8·4	17·91	− 0·04	+ 1·2
7059	8·6	17·83	+ 0·09	− 1·4
7068	8·3	18·59	+ 0·01	+ 0·9
7071	7·5	22·91	− 0·01	− 0·3
7088	7·8	22·83	0·00	− 0·6
7100	7·0	23·81	− 0·16	− 1·2
7101	7·0	23·92	− 0·11	− 1·8
7102	7·9	23·83	− 0·07	− 2·2
7109	8·8	22·79	− 0·01	− 0·4
7113	7·5	20·76	− 0·08	− 0·1
7118	8·7	17·80	+ 0·06	+ 0·9
7127	8·2	22·85	+ 0·07	− 1·4
7129	8·3	19·92	+ 0·17	0·0
7135	8·0	24·28	− 0·17	− 0·9
7149	8·0	21·62	+ 0·16	− 0·2
7163	6·0	23·90	− 0·13	− 1·4
7164	8·9	15·82	− 0·01	− 0·8
7165*	7·8	23·84	− 0·15	− 4·2
7167	7·3	22·30	+ 0·04	− 0·7
7173	8·5	20·71	− 0·06	− 0·4
7174	7·6	21·26	+ 0·04	− 0·2
7175	7·5	23·99	− 0·16	− 1·3
7179	9·5	17·94	+ 0·09	+ 0·2
7181	8·0	18·12	+ 0·15	− 1·8
7184*	9·2	15·84	− 0·06	+ 2·7
7186	8·0	20·79	− 0·07	− 0·6
7190	9·2	17·76	+ 0·03	+ 0·9
7191	7·5	21·74	− 0·17	− 1·1
		20h		
7213	8·4	20·92	+ 0·21	− 2·3
7219	7·2	23·63 23·71	− 0·02	− 0·4
7222	7·3	23·75	− 0·05	− 1·1
7231	9·4	22·65	− 0·01	− 0·7
7232	9·3	17·85	+ 0·05	0·0
7239	8·5	15·72	− 0·02	− 1·2
7242*	8·3	19·92	+ 1·45	− 3·2
7248	8·8	19·72	− 0·07	+ 0·1
7256	8·5	17·79	+ 0·06	+ 0·1
7272	8·0	22·67	+ 0·05	+ 1·0
7276	9·0	17·82	− 0·09	− 0·3
7290	9·3	15·87	+ 0·03	− 0·4
7293	8·2	17·80	+ 0·04	+ 1·1
7308	7·5	24·65	− 0·15	− 1·1
7315	8·3	17·90	+ 0·03	+ 1·6
7316	8·2	17·87	+ 0·08	− 0·4
7332	8·5	20·65	+ 0·02	− 0·3
7333	8·0	19·66	− 0·01	− 0·9
7342	8·7	19·69	+ 0·07	− 1·6
7357	5·8	22·27	− 0·02	− 1·6
7369	7·5	24·63	− 0·09	+ 1·6
7373	7·8	22·83	+ 0·04	0·0
7376	8·5	17·71	+ 0·14	− 1·2
7377*	3·0	21·36	+ 0·13	+ 0·9
7384	8·4	23·73	+ 0·02	− 1·5
7393	8·2	20·80	0·00	− 0·9
7403	8·0	22·88	0·00	− 0·7
7404	6·9	23·70	− 0·13	+ 0·3
7415	8·3	17·90	+ 0·07	− 0·6
7421	8·8	17·78	− 0·06	− 1·0
7435	8·0	21·54	+ 0·01	+ 0·4
7437	7·5	22·91	− 0·05	0·0
7440	9·2	15·80	− 0·09	+ 0·4
7443	7·0	23·91	+ 0·19	− 1·6
7451	8·1	22·05	+ 0·03	− 2·2
7452	5·0	23·87	− 0·04	+ 0·9
7465	8·8	19·65	− 0·07	− 1·7
7486	8·8	17·90	− 0·02	+ 0·8
7500*	6·5	23·99	− 1·32	−23·9
7527	8·3	18·20	0·00	+ 0·5
7533*	7·0	23·03	+ 0·31	− 2·0
7536	9·0	18·00	+ 0·09	+ 0·2
7539	8·3	20·84	− 0·01	− 0·9
7541	7·3	23·84	− 0·23	− 0·8
		21h		
7548	8·1	19·38	− 0·18	0·0
7551	6·0	24·02	+ 0·01	− 1·5
7553	7·7	24·90	− 0·07	− 0·1
7555	8·5	19·75	− 0·08	− 1·1
7560*	9·3	17·89	+ 0·25	− 0·1
7562	6·5	23·00	+ 0·08	− 0·5
7579	8·5	19·86	− 0·06	− 1·3
7582	7·1	24·09	− 0·11	0·0
7586*	7·0	23·90	− 0·16	− 3·6
7592	8·1	18·83	− 0·01	− 0·8
7601	8·7	19·22	+ 0·12	− 2·0
7607	7·6	19·30	+ 0·13	− 0·4
7608	7·8	23·86	− 0·12	− 1·0
7614	6·5	23·92	− 0·09	− 1·0
7618	8·3	17·76	+ 0·08	+ 0·8
7619	6·0	22·14	+ 0·04	− 1·8
7625*	8·0	23·91	− 0·39	− 0·7
7638	6·0	23·94	+ 0·08	− 1·0
7651	7·0	23·60	− 0·02	− 0·4
7656	8·1	17·64	− 0·03	+ 1·1
7658	8·0	19·85	− 0·11	− 1·7
7665	8·9	15·59	+ 0·14	+ 0·1
7667	8·5	19·76	− 0·01	− 0·7
7679	8·8	18·02	+ 0·03	0·0
7680	7·9	22·67	− 0·05	− 1·1
7697	6·5	21·81	− 0·04	− 1·4
7700	7·5	21·99	− 0·04	− 0·6
7712	8·0	19·68	+ 0·09	− 1·0
7721	7·7	22·76	− 0·09	− 2·7
7729	8·3	19·11	− 0·03	− 0·9
7734	8·7	17·88	− 0·04	+ 0·8
7739	8·7	17·86	− 0·07	− 0·3
7744	9·0	20·64	− 0·03	− 0·2
7766	8·5	18·07	+ 0·06	0·0
7770	8·0	20·70	− 0·17	− 0·4
7782	8·0	18·98	+ 0·01	− 1·0
7783*	5·8	23·80	+ 0·19	− 8·5
7791	7·8	23·65	− 0·08	− 2·1

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
7797	8·8	17·97	− 0·04	+ 0·3
7808	8·5	18·80	+ 0·04	− 1·5
7814	7·8	23·84	− 0·24	− 1·9
7824	8·0	22·64	− 0·12	− 1·2
7825*	7·0	23·76	− 0·51	− 3·1
7830	7·9	22·24	+ 0·10	− 1·5
7834	9·0	17·87	+ 0·01	+ 0·5
7842	8·1	21·83	0·00	− 0·6
7843	6·5	24·23	− 0·16	− 2·1
		24·18		
7845	7·8	21·86	+ 0·20	− 0·3
7857	7·8	19·35	− 0·10	− 1·7
7867	9·3	16·68	− 0·11	− 0·2
7873	7·8	22·89	− 0·05	− 2·3
7877	8·2	18·67	+ 0·04	− 1·3
7884*	8·3	17·73	+ 0·03	− 0·3
7885	7·3	24·35	+ 0·14	− 1·5
		22h		
7898	8·5	17·85	+ 0·15	− 0·8
7913	6·5	23·04	+ 0·07	+ 0·7
7926	7·5	18·93	+ 0·04	− 0·6
7928	8·5	16·79	− 0·14	− 1·8
7936	7·3	24·10	+ 0·17	− 0·8
7937	6·5	24·17	− 0·16	− 1·3
7963	9·0	15·83	+ 0·04	+ 0·4
7965	7·5	22·83	0·00	− 1·1
7981*	6·0	24·12	+ 0·48	− 1·7
7983	7·9	19·93	− 0·08	− 0·6
7984	7·0	23·86	− 0·17	− 0·5
7991	8·7	17·67	+ 0·13	− 0·9
7996	7·7	18·92	− 0·06	− 0·1
8017	4·7	22·23	− 0·13	− 0·1
8018	7·3	19·42	− 0·05	− 0·7
8023	8·0	21·51	− 0·04	+ 1·0
		21·40		
8032	7·1	21·56	+ 0·04	− 0·9
8035	7·7	18·20	+ 0·07	+ 0·5
8041	7·3	23·72	− 0·15	− 0·5
8047	8·1	17·87	+ 0·10	+ 0·2
8062	8·0	18·77	− 0·08	− 0·2
8066	7·5	22·35	+ 0·22	− 1·5
		22·05		
8067	8·4	19·80	− 0·08	− 0·2
8080	8·4	18·04	+ 0·13	− 0·1
8086	8·5	17·96	+ 0·08	+ 0·7
8090*	6·5	22·48	− 0·11	− 7·2
8091*	2·0	23·24	+ 0·25	− 0·7
8093	6·5	21 70	+ 0·07	+ 0·6
8106	9·2	14·85	− 0·10	+ 0·1
8108	6·0	24·31	− 0·28	− 0·9
8111	9·1	17·90	+ 0·25	− 1·8
8113	8·6	17·90	− 0·02	− 0·7
8114	8·0	18·02	+ 0·16	+ 0·5
8119	9·2	17·61	+ 0·05	− 0·6
8120	8·3	17·97	+ 0·17	+ 0·5
8122	8·3	17·87	+ 0·06	+ 0·8
8137	8·5	17·63	0·00	+ 1·3
8148	7·5	17·91	+ 0·13	− 0·4
8154	7·5	21·55	+ 0·11	− 1·3
8165	7·6	22·92	+ 0·11	− 1·9
8168	7·5	22·26	0·00	+ 0·3
8180	7·5	22·77	+ 0·19	− 1·3
8191	8·0	21·27	+ 0·06	− 0·9
8193	9·5	17·94	− 0·03	+ 0·9
8204	7·3	21·11	− 0·12	− 2·0
8209	8·0	22·63	+ 0·09	− 1·2
8212	8·3	20·54	+ 0·16	− 0·3
		23h		
8233	4·0	21·44	− 0·07	− 0·7
8243	8·0	17·63	+ 0·09	− 0·8
8249*	4·0	18·46	+ 0·28	− 0·3
8257	9·0	17·63	+ 0·04	− 0·9
8262	7·5	19·95	+ 0·01	− 0·9
8272	9·3	17·67	+ 0·13	− 0·4
8290*	8·7	17·93	+ 0·18	− 4·1
8299	9·4	17·66	+ 0·10	− 0·1
8300	8·0	17·90	+ 0·03	− 0·1
8311	7·4	20·05	+ 0·05	− 1·4
8313	9·2	15·72	− 0·10	− 0·4
8326	8·0	19·06	− 0·02	− 0·2
8334	8·2	20·66	− 0·21	+ 0·6
8347	9·0	17·68	− 0·01	− 0·9
8351	7·0	23·18	− 0·06	− 0·8
8359*	8·0	17·83	+ 0·08	− 2·6
8366	6·5	24·20	− 0·02	− 1·4
8368	7·5	18·83	+ 0·08	− 1·2
8371	8·0	18·98	+ 0·11	+ 0·2
8375	7·0	22·07	− 0·07	0·0
8380	8·3	19·79	0·00	− 1·1
		19·81		
8381	8·8	17·81	+ 0·16	+ 0·3
8389*	8·3	18·56	+ 0·31	− 6·4
8393	6·9	24·15	+ 0·05	− 1·3
8396	9·1	18·89	+ 0·08	− 0·9
8402	8·5	17·94	0·00	− 0·1
8408	7·0	19·78	+ 0·04	− 0·5
		19·82		
8414	7·3	24·09	− 0·08	− 0·2
8418	9·0	19·92	+ 0·06	+ 1·5
8431	6·7	22·98	− 0·12	+ 0·2
		23·15		
8436	7·2	23·93	− 0·05	− 2·1
8438*	6·2	24·13	+ 0·56	+ 0·5
8447	8·0	18·29	+ 0·04	− 1·1
8462	8·5	21·79	+ 0·04	− 0·8
8465	9·1	17·90	+ 0·07	− 0·1
8468	7·3	22·69	+ 0·01	+ 0·3
8471	8·5	17·99	+ 0·12	0·0
8479	7·0	21·75	− 0·01	+ 0·6
		21·79		
8483	8·8	18·89	− 0·10	− 1·6
8516	7·6	21·97	+ 0·30	− 0·2
		21·78		
8536*	6·5	24·11	+ 0·06	− 2·6
8549	8·5	18·79	+ 0·08	− 0·7

CAPE 1900—C.G.A., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		0h		
		y	s	″
3	7·4	20·91	0·00	− 0·4
5*	6·0	25·02	+ 1·30	− 1·2
6	9·3	18·97	− 0·04	− 0·7
48	7·0	23·05	− 0·04	− 0·7
75	7·5	23·33	− 0·01	− 1·1
		23·40		
83	7·8	21·59	+ 0·02	− 0·4
88	9·4	18·89	+ 0·15	− 0·6
97	7·0	25·23	+ 0·05	+ 1·6
102	8·1	25·00	− 0·22	+ 0·6
110*	7·0	23·07	+ 1·32	− 5·3
114	7·9	23·12	− 0·05	− 0·3
124	8·5	19·03	+ 0·25	+ 0·8
128	9·3	16·90	− 0·11	− 0·5
131	6·5	25·26	+ 0·30	− 0·9
144*	5·8	25·30	+ 0·17	− 3·5
150	8·0	19·95	+ 0·01	− 0·6
173	5·8	23·70	+ 0·01	− 2·3
		23·21		
179*	7·1	25·27	+ 0·79	− 3·8
185	8·2	23·09	0·00	− 0·4
210	8·5	18·94	+ 0·02	0·0
220	7·0	25·18	− 0·05	− 0·7
223	7·6	22·38	0·00	− 0·3
228	7·5	24·95	− 0·01	− 0·7
234*	8·0	19·37	− 0·10	− 1·7
235*	6·0	23·19	+ 0·45	+ 0·9
244	8·5	18·88	− 0·07	− 1·0
262	5·5	25·29	+ 0·08	− 0·3
		25·39		
264	9·8	19·04	+ 0·04	+ 1·0
268	8·5	20·35	+ 0·03	− 1·7
275	8·4	19·96	− 0·03	− 2·2
281	6·7	25·19	+ 0·06	− 0·3
298	8·1	19·04	+ 0·05	+ 0·7
304	8·0	23·81	+ 0·09	− 0·4
318	8·0	22·67	+ 0·15	+ 0·1
323	8·4	20·12	− 0·20	− 2·2
334	8·9	18·85	− 0·18	− 0·2
		1h		
349	7·9	19·00	+ 0·14	− 0·7
351	9·1	18·99	+ 0·05	+ 0·6
352*	9·0	18·99	+ 1·04	− 0·3

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
373	8·5	19·68	− 0·14	0 0
384	8·8	18·78	+ 0·20	+ 0·5
391	8·5	23·70	− 0·02	0·0
394	7·6	21·99	− 0·06	− 0·8
411	8·0	24·93	− 0·18	− 0·8
412	8·3	21·94	+ 0·01	− 1·6
434	6·5	23·00	+ 0·09	+ 0·1
436	6·4	23·94 23·33	− 0·05	+ 0·1
468	8·4	18·80	+ 0·05	+ 1·0
470	7·5	24·31	− 0·07	− 0·8
483	8·5	18·72	+ 0·20	− 1·9
484*	4·0	23·54	+ 0·34	+ 3·0
485	7·4	24·28	− 0·16	− 1·7
490	8·3	25·23	+ 0·27	− 1·5
507	8·8	18·78	− 0·03	− 0·9
508	8·3	24·62	+ 0·04	− 0·9
516	7·0	25·20	− 0·24	+ 1·0
534	8·8	18·92	+ 0·11	− 1·3
535	7·1	22·51	− 0·04	− 0·1
542	7·1	22·28	− 0·11	− 1·1
557	8·4	21·61	+ 0·25	− 0·1
564	6·0	23·79	+ 0·13	− 0·1
568	9·2	18·88	+ 0·03	− 1·9
569	8·4	21·90	− 0·05	+ 0·7
574	9·0	18·94	+ 0·09	− 0·4
587	6·0	23·32	+ 0·26	+ 0·9
596	8·0	22·85	− 0·04	− 1·3
608	9·4	18·70	+ 0·05	− 0·7
622	6·5	24·85	− 0·05	+ 0·6
640*	9·1	19·21	− 0·02	− 3·8
645*	7·8	19·86	+ 0·45	0·0
653	8·0	20·95	+ 0·10	+ 0·8
657	7·0	21·68	− 0·14	− 1·0
658	8·4	19·99	+ 0·04	+ 0·5
659	8·3	19·72	+ 0·15	− 0·6
		2h		
668	9·3	18·67	+ 0·06	− 1·3
669	8·8	21·00	+ 0·16	− 0·7
673	8·0	23·95	+ 0·07	+ 0·8
675	8·0	19·70	− 0·06	− 0·1
683	8·5	18·77	+ 0·02	− 0·3
697	8·0	18·79	+ 0·10	+ 0·7
701*	6·5	22·86 23·05	+ 5·06	+14·4
719	8·8	19·84	+ 0·10	− 2·2
729	8·9	19·71	+ 0·06	+ 1·6
731	7·5	21·91	− 0·14	− 0·7
738*	9·0	18·64	− 0·11	− 3·5
748	8·7	18·91	+ 0·13	− 0·8
750	8·0	18·79	− 0·09	0·0
756	7·3	22·99	+ 0·04	+ 0·3
762	8·3	18·69	− 0·08	0·0
768	7·6	23·11	+ 0·02	− 0·2
774	6·0	22·90	− 0·02	+ 1·7
777	8·8	18·76	− 0·02	+ 0·5
785	8·8	18·97	+ 0·12	− 0·6
795	4·0	19·53	0·00	+ 0·2
809*	8·9	18·88	+ 0·27	+ 2·8
812	8·8	18·75	+ 0·02	+ 0·6
814	8·7	18·96	− 0·09	+ 1·0
826	9·5	18·80	0·00	− 2·0
829	9·0	23·67	− 0·15	− 0·3
832	7·8	18·93	− 0·08	− 0·8
835	6·5	25·15	− 0·04	− 0·8
844	8·3	18·86	+ 0·04	− 0·6
847	8·3	16·87	− 0·15	− 0·3
864	8·0	22·97	− 0·02	− 0·6
884*	5·5	23·25	+ 0·74	+ 4·9
886	7·5	23·15	− 0·04	− 0·7
899	8·0	19·78	− 0·12	− 0·9
913	8·5	18·68	0·00	− 1·1
915	8·3	19·93	0·00	− 2·3
916	9·1	18·99	+ 0·09	+ 0·4
921	8·8	18·80	− 0·12	− 0·1
939	7·0	25·22	+ 0·06	− 1·6
950*	8·3	19·98	− 0·12	− 3·4
952	6·5	25·26	+ 0·04	− 0·4
958	8·0	19·60	+ 0·04	+ 0·9
960	8·5	25·24	− 0·06	+ 0·7
964	8·3	19·62	+ 0·05	− 0·3
993	9·0	18·69	+ 0·10	+ 1·0
999	8·3	19·62	+ 0·13	+ 0·2
		3h		
1007	7·5	19·64	− 0·11	+ 0·2
1010	7·5	22·85	+ 0·15	+ 1·4
1024	8·0	21·72	− 0·03	0·0
1038	7·8	23·17	+ 0·18	+ 1·1
1040	6·5	24·89	+ 0·09	− 0·4
1055	8·0	18·68	+ 0·16	+ 0·8
1056	8·0	22·86 22·65	+ 0·13	− 0·1
1068	7·5	25·20	− 0·01	+ 1·3
1069*	9·0	18·72	+ 0·03	− 2·5
1079	6·5	25·07	− 0·09	+ 0·6
1082	8·3	23·92	+ 0·18	+ 0·6
1086	8·3	22·60	− 0·19	0·0
1092	8·2	21·63	− 0·17	+ 0·7
1100	6·5	25·39	− 0·03	− 1·2
1122	6·5	25·26	− 0·08	+ 0·7
1125	9·0	19·94	− 0·07	− 1·1
1134*	8·8	18·83	+ 0·46	− 0·1
1138	8·0	19·94	+ 0·04	− 1·2
1162	7·5	19·97	− 0·05	− 0·9
1167*	6·0	25·36	+ 0·10	+ 2·7
1170	8·4	19·47	+ 0·10	+ 0·3
1180	8·0	23·04	+ 0·16	+ 0·7
1191	8·0	21·82	+ 0·08	− 0·8
1198	8·0	18·56	+ 0·02	− 0·8
1219	6·8	24·63	− 0·10	+ 0·8
1220*	7·5	24·40	− 0·09	− 2·6
1223	8·0	22·97	+ 0·06	− 0·5
1226	8·3	18·36	+ 0·02	+ 0·6
1228*	7·0	25·01	+ 0·28	+13·1
1238	6·8	23·24	− 0·07	− 2·6
1249	8·2	18·63	+ 0·06	− 1 5
1255	8·0	22·57	+ 0·03	0·0
1259	8·5	18·36	+ 0·08	− 0·1
1263	8·5	18·04	+ 0·03	− 0·4
1268	9·0	18·66	+ 0·13	+ 0·5
1275	8·6	18·20	+ 0·09	− 1·0
1308	7·5	19·01	− 0·11	− 0·8
1315	7·2	19·27	− 0·10	− 1·2
1322	7·0	24·82	+ 0·03	+ 1·3
1326	8·1	18·98	+ 0·06	+ 1·1
1327	8·0	19·27	+ 0·15	+ 1·1
1332	7·0	24·99	− 0·05	+ 0·7
1338	9·0	18·97	+ 0·15	+ 0·4
1342	8·7	18·73	+ 0·07	+ 0·6
1345	8·0	21·60	− 0·01	+ 0·1
		4h		
1348	7·0	24·76 24·60	0·00	+ 0·1
1350	7·8	22·17	− 0·05	− 0·2
1365	7·9	20·12	+ 0·15	+ 1·1
1368	7·0	21·81	+ 0·16	+ 0·5
1376	8·6	18·51	− 0·02	− 0·8
1377	8·0	18·08	0·00	− 0·8
1384	8·4	18·10	+ 0·07	− 0·1
1388	9·1	18·34	+ 0·06	+ 0·9
1398	8·5	18·43	+ 0·05	− 1·4
1414	7·5	23·51	− 0·09	+ 0·5
1415	8·6	18·45	+ 0·04	− 0·8
1429	8·3	18·67	+ 0·04	− 0·6
1430	8·0	18·67	+ 0·09	− 0·6
1449	7·2	19·06	− 0·10	− 0·5
1450	7·5	22·37	− 0·05	+ 0·5
1476*	7·8	22·41	− 0·26	− 3·0
1503	8·8	18·40	+ 0·17	− 0·5
1518	8·3	18·37	+ 0·02	− 0·6
1524	9·3	18·39	− 0·02	+ 1·3
1542	8·5	19·55	+ 0·01	− 1·0
1547	8·9	18·63	+ 0·02	− 0·3
1561	7·0	22·19	− 0·02	+ 1·3
1568	7·5	20·70	− 0·14	− 1·4
1574	5·5	24·56	− 0·14	+ 1·6
1582	8·6	23·72	− 0·06	+ 0·8
1583*	7·5	24·58	− 0·09	+ 7·5
1594*	7·6	22·63	− 1·15	− 7·7
1596	8·4	18·98	+ 0·08	− 0·2
1597	8·8	18·18	+ 0·06	+ 1·3
1608	7·3	22·64	− 0·07	+ 0·3
1619	8·6	18·97	+ 0·03	+ 0·4
1623	8·3	18·56	+ 0·08	− 0·2
1627	8·0	18·05	+ 0·01	0·0
1632	6·8	24·91 24·84	− 0·18	+ 0·1
1654	8·5	23·10	0·00	+ 0·9
1656*	8·0	18·97	0·00	+ 1·0
1667	7·3	20·67	− 0·09	+ 1·9
1673	9·0	18·38	+ 0·08	− 0·7
		5h		
1690	8·1	18·09	+ 0·02	+ 1·7
1693	6·0	24·82	− 0·11	+ 0·1
1701	5·5	25·02 25·01	+ 0·06	+ 0·3
1706	8·6	18·08	− 0·10	+ 1·6
1707	8·1	18·92	+ 0·06	+ 0·5
1711	8·5	19·01	+ 0·01	− 0·1
1722	7·8	18·99	+ 0·02	+ 0·6
1726	7·6	21·10	− 0·07	− 0·8
1746	7·8	20·05	− 0·11	− 0·6
1749	7·4	21·73	− 0·03	+ 2·4
1767	8·0	18·05	+ 0·17	− 1·0
1769	7·9	19·55	− 0·24	− 2·6
1774	8·0	20·03	− 0·12	+ 0·5
1798	8·3	21·10	− 0·07	+ 0·5
1804	7·2	22·69	+ 0·01	+ 1·0
1813	7·7	21·64 21·31	− 0·14	+ 0·1
1815	7·5	20·26	− 0·01	− 0·1
1837	8·3	18·07	+ 0·05	− 0·1
1848	8·0	18·62	0·00	+ 0·9
1865	8·0	18·20	− 0·04	− 0·3
1873	7·2	21·72	− 0·06	− 2·3

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −48° TO −52°.

No. 1900.	Mag.	CAPE—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
1874	8·0	18·80	− 0·05	+ 0·6
1879	7·6	23·02	− 0·07	− 0·5
1899	8·2	18·94	− 0·09	+ 1·5
1906	7·0	25·01	− 0·20	− 0·6
1911	9·4	18·12	0·00	− 0·1
1916	8·8	18·98	− 0·06	− 1·0
1923	7·0	22·93	− 0·02	+ 1·2
1924	8·5	18·81	+ 0·02	+ 1·5
1939	8·1	20·24	− 0·25	+ 0·2
1946	8·5	18·93	+ 0·13	− 0·8
1952	8·6	18·10	− 0·10	+ 0·2
1960	8·3	18·44	− 0·03	+ 0·1
1975	7·3	19·99	+ 0·04	− 0·1
1992	8·1	18·15	0·00	− 0·1
2004	6·5	24·53	− 0·12	+ 0·6
		24·62		
2006	7·9	22·19	+ 0·03	+ 0·4
2007	8·9	22·96	− 0·16	+ 2·1
2016	8·5	19·83	− 0·19	− 0·2
2023	8·1	19·00	+ 0·03	+ 0·5
2027	7·5	24·68	− 0·07	+ 1·1
2036	8·3	19·01	+ 0·14	− 0·3
2039	9·1	18·11	+ 0·05	− 0·8
2041	8·4	25·13	− 0·03	− 1·1
			6h	
2059	7·9	22·99	− 0·09	+ 0·5
2062*	7·0	24·32	− 0·34	− 0·2
2070	8·0	22·95	+ 0·11	+ 1·5
2084	8·5	18·98	− 0·12	− 0·3
2095	7·7	22·94	− 0·12	+ 0·5
2097	8·1	19·04	− 0·08	− 0·4
2103	7·9	22·95	− 0·08	− 0·4
2109	8·8	19·00	− 0·03	− 0·1
2117	7·3	22·51	− 0·12	− 0·6
		22·40		
2121	8·8	18·15	+ 0·12	+ 1·0
2123	8·8	18·14	+ 0·07	+ 0·3
2138	8·4	18·89	− 0·03	+ 1·2
2139	8·1	21·50	− 0·08	+ 0·2
2142	8·5	18·19	− 0·05	− 0·2
2147	7·0	23·86	− 0·18	+ 1·5
2167	7·0	24·15	− 0·03	+ 1·5
2183	8·0	22·98	− 0·10	+ 0·4
2190	6·0	24·89	− 0·21	+ 0·3
2212	8·3	18·97	− 0·02	− 0·1
2217	8·5	18·93	− 0·03	+ 0·2
2225	8·0	18·89	− 0·07	+ 0·2
2226*	6·0	23·36	+ 0·21	+ 3·0
2239	7·2	25·05	− 0·09	− 2·4
2240	7·9	20·00	− 0·07	+ 1·3
2248	8·8	18·85	− 0·13	+ 3·2
2251	8·8	19·87	− 0·08	− 3·3
2258	7·4	23·05	− 0·04	+ 3·2
2263	9·0	18·96	− 0·12	− 0·1
2269	7·1	22·35	− 0·19	0·0
2273	8·0	18·96	− 0·05	+ 0·1
2278	8·4	18·90	− 0·09	+ 0·1
2288	8·5	19·89	− 0·04	− 2·6
2305	8·0	18·99	− 0·09	+ 0·6
2325	6·0	24·57	− 0·17	− 1·5
		24·47		
2326	7·0	21·86	− 0·09	+ 0·9
2348*	3·0	22·97	+ 0·11	− 1·3
2356	7·5	24·35	+ 0·03	+ 0·5
2357	7·8	19·50	− 0·02	− 0·1
2375*	7·3	24·78	− 0·22	+ 6·7
2385	5·5	23·07	− 0·09	+ 0·9

No. 1900.	Mag.	CAPE—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
2387	8·0	21·39	− 0·16	− 0·2
2388	8·4	20·61	− 0·23	+ 1·5
2397	7·8	20·64	− 0·09	+ 0·6
2412	7·3	23·05	− 0·06	+ 0·1
2417	7·1	23·29	− 0·16	+ 0·1
			7h	
2429	7·0	22·86	− 0·11	+ 1·8
2441	7·0	22·97	− 0·19	+ 1·7
2456	8·3	20·01	− 0·06	+ 1·1
2458	6·5	24·36	− 0·16	+ 2·4
2462	8·0	20·01	− 0·14	− 0·6
2472	8·5	18·14	+ 0·02	+ 0·4
2479*	5·5	22·51	− 0·09	+ 5·3
2483*	8·0	19·02	− 0·03	+14·7
2488	8·5	20·06	+ 0·02	+ 0·7
		18·10		
2492	8·0	19·00	− 0·01	+ 0·4
2498	8·0	20·68	− 0·13	+ 0·3
2499	8·1	19·92	0·00	+ 0·4
2506	7·0	21·46	− 0·03	+ 0·2
2508	5·0	24·01	− 0·09	+ 0·6
2516	7·5	21·30	− 0·13	+ 1·3
		20·89		
2530*	7·8	23·04	0·00	− 4·6
2535	7·0	22·89	− 0·22	+ 2·7
2543	6·0	24·20	− 0·16	+ 0·2
2544	7·0	23·05	− 0·27	+ 1·9
2546	7·4	20·63	− 0·15	+ 0·4
2577	5·5	24·39	− 0·26	+ 1·1
2590	8·0	18·97	− 0·17	− 0·3
2595	8·5	18·91	− 0·09	+ 0·1
2605	7·1	24·34	− 0·08	+ 0·4
		24·43		
2608	7·6	20·87	− 0·11	− 0·3
2624	7·0	24·00	− 0·09	+ 0·5
2632	6·5	21·89	− 0·24	+ 0·8
2639	8·3	22·23	− 0·11	+ 1·7
2643	6·0	23·65	− 0·10	0·0
2651	6·0	24·51	− 0·12	+ 0·6
2655	7·5	18·98	− 0·06	− 0·8
2657	7·8	19·52	− 0·24	+ 1·1
2662*	7·2	22·54	− 0·18	+ 3·2
2672	8·3	18·16	− 0·12	− 0·9
2685	7·5	23·85	− 0·16	0·0
2690*	6·9	20·68	− 0·26	+ 3·4
2695*	7·0	24·21	− 0·36	+ 3·4
2696	8·0	18·15	+ 0·08	− 1·2
2699	8·3	18·17	− 0·07	− 0·4
2700	8·8	17·03	− 0·11	+ 0·6
2708	7·0	22·87	− 0·07	+ 1·2
2713	7·5	23·06	− 0·10	+ 0·4
2714	7·5	22·61	− 0·08	+ 0·1
		22·60		
2734	7·0	24·24	− 0·24	− 0·3
2754	7·5	22·94	− 0·14	− 0·1
2755	5·0	24·03	− 0·09	+ 0·9
2765	7·6	22·87	− 0·22	+ 1·6
2776	7·0	22·92	− 0·05	+ 1·0
2792	7·3	22·93	− 0·05	+ 1·0
2793	7·4	21·36	− 0·13	− 0·2
2802	6·6	20·55	− 0·11	+ 0·8
2807	7·8	19·48	− 0·03	− 0·6
2810	7·6	20·93	− 0·01	− 0·2
2815	7·6	22·08	− 0·19	+ 1·0
2818	7·1	19·00	− 0·07	+ 0·7

No. 1900.	Mag.	CAPE—C.G.A. ΔEp.	Δα	Δδ
			8h	
		y	s	″
2823	7·3	21·26	− 0·23	+ 0·8
2828	7·0	21·89	− 0·15	+ 0·8
2838	8·4	18·16	− 0·09	+ 0·4
2839	7·0	23·88	− 0·15	+ 0·6
2846	7·0	21·71	− 0·08	− 0·4
2855	8·0	18·92	− 0·06	0·0
2861	7·0	23·56	− 0·21	+ 1·3
2863	7·6	19·94	− 0·13	− 0·7
2871	7·5	18·84	− 0·17	− 0·7
2891	8·3	20·22	− 0·22	− 0·7
2896	7·0	24·49	− 0·14	− 0·3
2897	7·2	22·25	− 0·09	− 1·0
2898	7·9	19·95	− 0·15	0·0
2931	7·0	22·14	− 0·19	+ 0·1
		22·17		
2935	7·3	24·83	− 0·28	+ 1·6
2947	5·7	23·95	− 0·12	+ 0·4
2949	7·9	20·86	− 0·07	− 0·6
2953	8·8	18·89	− 0·06	− 0·6
2971	8·0	20·15	− 0·15	− 0·4
2974	7·3	21·24	− 0·05	+ 0·1
2979	7·7	21·81	− 0·20	+ 1·3
3003	7·5	22·02	− 0·01	+ 1·0
3014	7·3	22·70	− 0·05	+ 0·5
3032	8·8	18·89	− 0·16	+ 0·8
3033	7·7	20·37	− 0·15	− 0·4
3036*	6·5	24·88	− 0·28	0·0
3050	7·9	20·77	− 0·18	+ 0·9
3058	8·2	18·97	− 0·05	− 0·5
3062	8·0	20·87	− 0·12	+ 0·2
3069	6·5	22·89	− 0·08	+ 0·7
3088	8·0	19·47	− 0·03	+ 1·0
3089	6·0	23·55	− 0·04	+ 1·3
3090*	7·2	21·45	+ 0·03	− 2·7
3117*	7·0	25·93	− 0·17	− 2·5
3134	8·0	21·02	− 0·06	− 0·1
3162	8·0	19·47	− 0·11	− 0·8
3170	7·3	20·94	+ 0·04	− 0·1
3174	8·0	23·06	− 0·19	+ 1·5
3178	7·8	22·07	− 0·13	− 0·1
3181	6·5	22·35	− 0·12	− 0·4
3187	8·1	22·94	− 0·13	+ 0·4
3193	9·5	18·83	− 0·06	+ 0·4
3196	7·5	24·88	− 0·15	− 0·8
3200	7·7	22·93	− 0·15	+ 0·6
		22·86		
3203	6·0	20·05	− 0·19	+ 0·9
			9h	
3231	7·9	21·40	− 0·08	− 1·2
3243	7·3	22·93	− 0·12	+ 0·7
3252*	8·1	21·26	− 0·14	− 2·9
3271	8·7	20·12	− 0·20	− 0·7
3284	7·3	22·52	− 0·11	− 0·2
3301	7·8	18·76	− 0·08	+ 0·1
3304	7·3	22·17	− 0·08	− 0·2
3316	6·0	24·87	− 0·41	− 0·6
3320	6·5	24·81	− 0·37	− 0·8
3341	8·0	18·82	− 0·05	− 0·2
3347	9·0	18·18	− 0·01	− 0·8
3369	8·4	20·68	− 0·23	− 0·3
3371	7·3	24·89	− 0·22	− 0·2
3372	8·1	18·44	− 0·11	+ 0·6
3380	7·9	22·22	− 0·11	− 1·0
3392	6·0	23·94	− 0·25	+ 0·7

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
3394	8·1	18·75	− 0·02	0·0
3401	8·2	22·99	− 0·15	− 0·3
3414	8·0	22·42	− 0·08	− 0·5
3419	5·5	22·12	− 0·10	0·0
3422	7·9	20·98	− 0·02	+ 0·5
3432	7·0	21·82	− 0·12	− 0·6
3434	8·1	19·79	− 0·11	+ 0·7
3437	5·0	22·98	− 0·37	+ 0·3
3443*	7·7	22·00	− 0·18	+ 5·1
3451	8·2	22·64	− 0·17	− 0·1
3458	7·9	22·52	− 0·11	− 0·2
3463	8·0	21·11	− 0·14	− 0·2
3479	7·1	22·67	− 0·04	− 0·2
3487	7·0	22·69	− 0·10	− 0·1
3499	8·2	19·02	0·00	− 1·2
3503	8·0	20·90	− 0·17	− 0·1
3506	7·0	23·00	− 0·13	− 0·2
3520	8·0	18·94	0·00	− 0·3
3524	8·0	20·24	+ 0·06	− 1·5
3525	8·3	20·13	− 0·16	− 0·5
3540	8·3	23·01	− 0·15	− 1·3
3549	6·5	22·55	− 0·09	+ 0·1
3558	6·0	24·02	− 0·19	+ 0·1
3572	7·7	22·88	− 0·12	+ 0·6
3590	8·5	18·87	− 0·04	− 0·5
3606	7·9	23·87	− 0·18	− 0·9
3611	7·8	22·91	− 0·07	+ 0·6
		10h		
3623	7·8	23·00	− 0·16	− 1·8
3626	6·5	24·91	− 0·28	− 0·6
3631	8·0	18·89	− 0·06	− 0·7
3644	9·3	15·95	− 0·40	+ 0·9
3647	7·9	22·17	− 0·18	− 1·0
3649	5·2	24·88	− 0·25	+ 0·6
3675	6·0	20·99	− 0·20	− 0·7
3677	6·0	21·00	− 0·12	− 0·2
3691	8·0	18·94	− 0·07	− 1·0
3692	7·5	22·33	− 0·05	− 0·1
3694	8·4	18·94	+ 0·04	− 0·1
3726	8·3	19·50	− 0·05	+ 0·1
3731	8·0	24·21	− 0·10	− 0·1
3769	8·2	21·82	− 0·13	+ 0·9
3776	8·8	23·88	− 0·21	− 0·6
3818	7·7	22·89	− 0·09	+ 0·1
3819	8·0	19·59	+ 0·02	+ 0·1
3840	8·1	19·92	+ 0·10	+ 0·2
3843	7·3	21·42	− 0·10	− 0·2
3879	3·0	23·80	+ 0·09	− 1·9
3893	9·2	20·24	− 0·05	− 0·9
3903	8·5	23·94	− 0·11	+ 1·3
3907	7·0	22·86	+ 0·14	− 1·7
3920	7·9	21·21	− 0·12	− 0·4
3943	7·0	24·93	− 0·26	− 0·8
3971	7·9	22·49	− 0·14	+ 0·5
3974	8·5	20·07	− 0·21	+ 0·4
3985	7·3	21·14	− 0·23	+ 0·1
		11h		
3994	6·5	22·79	− 0·12	− 0·8
4003*	7·0	21·60	− 0·07	− 2·3
4005	7·3	15·89	− 0·27	+ 2·0
4026*	7·0	24·87	− 0·39	+ 0·1
4011	7·2	23·14	− 0·17	0·0
4014*	7·2	22·63	− 0·16	+ 2·6
4030	7·8	22·87	− 0·05	− 0·4
4042	6·0	21·85	− 0·32	+ 0·6
4048	7·3	22·78	− 0·09	− 0·3
4069	8·1	18·87	− 0·11	− 0·1
4079	7·8	21·25	− 0·07	+ 0·3
4098	8·0	23·04	− 0·12	− 0·6
4106	8·0	23·91	− 0·23	+ 0·3
4140	8·3	18·85	− 0·07	+ 0·4
4142	8·0	20·12	− 0·12	− 0·6
4174	8·2	20·96	− 0·12	0·0
4177	8·0	18·95	− 0·09	− 0·5
4210	8·5	18·93	− 0·20	− 1·4
4214	7·2	22·53	− 0·27	− 0·8
4218	8·3	18·86	− 0·10	− 0·8
4229*	8·5	23·97	− 0·49	+ 2·2
4232	8·6	21·00	− 0·07	− 0·9
4244	8·0	23·53	− 0·22	− 0·8
4254	8·3	21·88	− 0·15	− 0·6
4264	8·0	18·85	− 0·01	− 0·6
4268	8·3	22·94	− 0·04	− 0·3
4269	8·5	18·94	+ 0·05	− 0·9
4271	7·6	23·88	− 0·17	+ 0·7
4274	8·2	18·83	− 0·19	− 0·6
4275	7·9	22·97	− 0·04	− 0·1
4284*	7·5	18·90	− 0·04	− 1·4
4288	8·1	22·10	+ 0·04	− 0·4
4290	7·7	22·91	− 0·06	0·0
4291	8·3	18·94	+ 0·05	− 1·4
4314	8·2	18·94	− 0·04	− 0·4
4318	7·0	24·80	+ 0·11	+ 0·3
4319	8·0	18·90	− 0·24	− 0·8
4320*	7·3	24·99	− 0·49	− 0·4
4331	6·7	23·24	− 0·13	− 0·1
4334	8·0	24·87	− 0·21	− 0·8
		12h		
4371*	8·8	19·01	+ 0·18	− 0·7
4385	6·0	24·87	− 0·33	− 1·6
4402	8·5	20·82	− 0·04	+ 0·6
4403*	7·0	24·89	− 0·79	− 3·0
4441*	7·8	24·96	− 0·90	− 1·6
4444	7·0	22·39	− 0·12	− 0·3
4445	8·4	23·00	− 0·09	− 0·2
4463	8·0	18·79	+ 0·02	− 1·0
4471	8·0	18·93	+ 0·06	− 0·1
4490	7·2	23·87	− 0·39	+ 0·1
4492	5·5	24·94	− 0·42	− 1·0
4496*	6·5	24·94	− 1·71	− 1·8
4502	4·5	22·89	− 0·14	− 0·4
4504	7·8	21·81	− 0·22	− 0·4
4527	7·3	18·08	− 0·18	0·0
4528	7·0	23·11	− 0·01	+ 0·3
4535	7·3	23·80	− 0·23	0·0
4548	7·0	23·00	+ 0·05	− 1·0
4554	7·0	25·03	− 0·33	− 1·2
4572	8·3	18·98	− 0·03	− 0·8
4586	6·0	23·89	− 0·42	− 1·0
4632	7·8	18·95	− 0·13	− 0·8
4634	8·0	18·81	− 0·15	− 1·1
4637	7·9	23·31	− 0·19	0·0
4654	8·0	21·02	− 0·15	− 0·5
4676	5·8	24·82	− 0·21	− 1·0
4681	7·8	22·99	− 0·15	− 0·6
4719	9·4	16·93	− 0·18	+ 1·5
4725	7·1	24·75	− 0·21	+ 1·7
4731	8·6	16·90	− 0·21	− 0·8
4732	7·4	19·81	0·00	+ 1·8
4749	8·3	21·97	− 0·23	− 0·5
4778	6·8	23·97	− 0·21	− 0·1
4786	8·0	22·51	− 0·28	− 0·6
4807	8·5	18·81	− 0·07	− 1·9
4812	6·5	24·27	− 0·18	0·0
4823	7·8	23·84	− 0·23	+ 0·1
4825	7·0	23·82	− 0·21	− 0·7
4827	7·9	22·60	+ 0·02	− 0·4
4828	6·5	24·81	− 0·29	+ 1·2
4840	7·5	22·24	− 0·11	− 1·4
4842	8·3	21·27	− 0·12	− 0·4
4845	7·6	23·04	− 0·05	− 1·5
4847	7·8	19·01	− 0·02	− 1·7
4852	8·0	21·99	− 0·26	− 0·5
4854	7·4	25·88	− 0·14	− 1·7
4859	6·7	20·88	− 0·06	− 0·8
4868	5·8	24·91	− 0·24	− 0·2
4901	7·5	20·92	− 0·16	− 1·0
4921	7·0	22·38 22·50	− 0·17	+ 0·4
4932	6·8	24·91	− 0·39	− 0·3
4947	8·3	20·90	+ 0·05	+ 0·4
4958	8·0	19·84	− 0·05	+ 1·2
4960	7·0	25·00	− 0·20	− 1·4
4963	8·5	18·93	− 0·03	− 1·3
4972	5·2	24·93	− 0·14	− 1·6
4976	7·4	23·07	− 0·17	− 0·5
4978	6·5	25·33 25·39	+ 0·01	− 1·0
4996	8·1	18·86	− 0·08	− 0·9
5004	8·4	18·87	− 0·14	− 0·7
5010*	7·8	21·05	− 1·44	− 0·7
5020	8·2	21·75	− 0·04	+ 0·3
5022	7·4	21·31	− 0·01	− 1·0
5031	7·0	20·25 20·45	− 0·23	− 0·1
5035	7·0	24·91	− 0·26	+ 0·4
5049	6·3	24·99	− 0·09	− 0·8
5059	8·3	19·36	− 0·08	− 0·5
5070	7·6	23·86	− 0·17	− 0·8
5083	8·0	19·80	− 0·11	+ 0·6
		14h		
5092*	7·0	21·39	− 0·15	+ 2·3
5094	7·0	24·85	− 0·19	− 0·5
5103	9·1	18·83	− 0·06	− 0·6
5109	7·9	18·98	− 0·08	− 0·3
5115*	7·3	23·90	− 0·40	− 2·5
5116	8·3	18·94	− 0·05	− 0·6
5131	7·8	22·94	0·00	− 0·5
5132	7·8	23·40	− 0·17	+ 0·2
5161	7·8	24·52	− 0·26	+ 0·1
5171	7·8	24·95	− 0·30	− 0·8
5174	7·5	19·89	0·00	+ 0·2
5186	7·0	24·89	− 0·23	− 0·4
5215*	8·0	19·82	− 0·73	+ 1·0
5224	8·4	19·81	− 0·04	+ 0·3
5227	7·8	21·02	0·00	− 0·7
5236	8·5	18·94	− 0·01	− 0·2
5237	8·4	18·95	+ 0·02	− 0·1
5248	7·3	23·85	− 0·26	− 0·7
5249	5·0	24·90	− 0·26	+ 0·7
5253	8·3	18·93	− 0·07	− 1·3

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
5278	4·5	23·97	− 0·19	− 0·2
5281	7·3	24·21	− 0·28	+ 0·1
5293	7·5	19·85	− 0·08	+ 0·5
5303	8·5	18·84	− 0·06	− 1·0
5320	7·0	22·87	− 0·21	+ 1·1
5334	6·5	24·22	− 0·13	− 1·1
5345	8·4	18·93	+ 0·01	− 0·3
5396	8·1	18·97	− 0·14	+ 0·2
5399	8·3	18·80	− 0·13	+ 1·2
5407	7·5	22·90	− 0·08	− 1·1
5414	8·6	20·93	− 0·29	+ 0·4
5419	8·0	23·25	− 0·22	− 0·3
5433	8·0	20·92	− 0·14	+ 1·2
5450	6·8	24·10	− 0·24	− 0·6
		15h		
5473	8·2	20·92	+ 0·05	0·0
5477	8·0	22·83	− 0·04	− 0·4
5489	8·6	18·80	− 0·17	+ 1·5
5493	8·5	19·85	0·00	− 0·9
5511	8·0	19·84	− 0·13	+ 0·1
5517*	8·0	20·16	− 0·49	+ 0·6
5530	8·9	18·83	+ 0·16	+ 0·4
5551	7·0	22·81	− 0·16	− 0·2
5561	7·6	20·63	− 0·03	− 0·9
5566	8·3	21·09	− 0·04	− 1·1
5583	8·6	21·90	− 0·11	+ 0·1
5589	7·9	19·86	− 0·28	− 1·0
5601	8·8	16·88	+ 0·03	− 0·1
5608	7·8	20·92	− 0·08	− 0·8
5617	8·7	18·93	− 0·12	− 1·0
5620	8·9	18·87	− 0·06	+ 0·1
5625	7·5	22·66	− 0·15	+ 0·5
5626	9·0	18·85	− 0·13	− 0·7
5650	8·5	18·94	− 0·11	− 1·5
5653	8·5	18·94	− 0·07	− 0·4
5671	7·0	22·45	− 0·12	− 0·2
5675	8·0	18·89	− 0·01	+ 0·1
5678	7·4	23·86	− 0·19	− 0·4
5693	7·5	22·86	− 0·03	− 0·9
5697	7·2	24·92	− 0·15	− 1·9
5707	7·1	23·29	− 0·19	− 1·4
5710	7·5	20·21	− 0·22	− 1·4
5714	8·3	20·85	− 0·15	− 0·3
5729	7·7	18·84	− 0·09	+ 0·2
5732	8·0	22·92	+ 0·03	0·0
5735	7·3	24·86	− 0·13	+ 0·7
5736	8·2	19·00	+ 0·05	0·0
5743	8·0	19·83	− 0·04	− 0·7
5748	8·0	20·51	+ 0·08	− 0·6
5752	8·1	18·86	− 0·08	+ 0·5
5790	8·4	18·82	− 0·04	+ 0·9
5799	8·0	22·93	− 0·05	− 0·4
5804	7·3	22·87	− 0·08	− 0·8
		16h		
5822	7·0	24·89	− 0·09	− 0·6
5843	7·0	21·32	− 0·08	− 0·6
5848	8·5	18·83	− 0·04	− 0·4
5852	8·2	18·82	+ 0·01	− 0·2
5853	7·4	24·09 24·21	− 0·15	− 1·1
5885	8·4	20·93	− 0·06	− 0·2
5905	6·0	24·89	− 0·19	− 1·0
5918	7·7	22·90	+ 0·07	− 1·3

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
5924	7·5	20·12	− 0·08	− 0·6
5954	7·5	23·04 22·85	− 0·28	− 0·7
5957	8·1	18·84	0·00	+ 1·7
5981	7·3	20·60	+ 0·01	0·0
5988	7·8	22·91	− 0·01	+ 1·5
6009	7·8	22·86	+ 0·10	− 0·2
6014	7·5	22·81	0·00	− 0·7
6017	8·0	22·45	− 0·09	− 0·9
6022	6·0	23·03	+ 0·02	+ 0·2
6073	8·0	23·90	− 0·05	− 2·0
6083	7·5	23·27	+ 0·07	− 1·0
6097	7·0	24·93	− 0·15	− 1·1
6099	7·9	20·93	+ 0·08	+ 0·3
6108	6·8	24·44	− 0·07	− 0·7
6137	6·5	25·02	− 0·10	− 3·6
6149	7·8	22·87	+ 0·03	+ 0·3
6151	7·4	22·90	+ 0·06	+ 1·5
		17h		
6181	7·5	23·88	− 0·08	− 1·6
6195	7·5	24·00	− 0·06	− 1·2
6199	6·8	23·96	− 0·01	+ 0·2
6218	7·8	22·39	− 0·03	+ 0·3
6233	7·8	20·20	+ 0·01	− 0·8
6236	7·5	22·01	0·00	− 0·2
6244*	7·5	22·82	− 0·13	− 5·1
6254	8·3	21·13 21·10	− 0·05	− 0·3
6260	8·1	18·85	0·00	− 0·7
6273	7·8	23·75	− 0·18	− 1·9
6282	7·7	23·04	+ 0·16	− 0·1
6287	7·0	24·90	− 0·17	− 1·0
6290	6·8	24·84	− 0·14	− 0·8
6312	8·5	22·90	0·00	+ 0·3
6315	7·6	22·89	+ 0·05	+ 0·3
6328	7·0	24·84	− 0·20	+ 2·0
6348	7·6	22·53	+ 0·02	− 0·9
6349	6·3	24·92	− 0·13	− 1·9
6365*	5·5	25·01	+ 0·20	− 5·0
6367	7·8	18·89	+ 0·12	− 2·5
6375	9·7	22·22	+ 0·01	− 0·4
6377	8·3	20·70	− 0·10	− 0·3
6397	7·7	22·86 22·83	− 0·01	− 1·8
6400	7·8	23·08	+ 0·01	0·0
6424	7·4	21·56	− 0·01	+ 0·1
6425	7·4	22·52 22·45	− 0·01	− 1·1
6427	8·3	21·73	− 0·03	+ 0·5
6432	8·0	22·62	+ 0·12	+ 0·6
6452	7·6	22·68	+ 0·05	+ 1·5
6477	8·1	23·71	− 0·06	+ 0·4
6487	8·5	16·89	0·00	+ 0·4
6489	7·5	24·80	− 0·08	− 2·0
6509	8·5	18·71	− 0·01	+ 0·5
6510	4·0	23·08	− 0·03	+ 0·4
6512	7·6	21·83 21·97	− 0·04	+ 0·9
		18h		
6521	7·8	19·63	− 0·04	− 0·9
6546*	7·4	24·97	− 0·18	− 3·2
6559	7·6	24·63	− 0·16	− 1·2
6564	7·5	24·81	− 0·01	+ 1·1
6572	6·5	24·87	− 0·28	− 0·5

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
6586*	7·7	18·67	+ 0·21	+ 0·4
6589	7·5	24·73	− 0·10	− 0·6
6611	7·6	22·61	+ 0·01	− 1·0
6617*	7·0	23·33	+ 0·11	− 3·8
6618	8·3	20·76	+ 0·07	− 1·0
6630	8·8	19·76	− 0·01	− 0·6
6633	4·0	25·60	0·00	− 0·7
6646*	4·5	24·69	+ 0·24	− 6·4
6654	8·2	19·70	− 0·07	+ 0·8
6656	7·8	23·69	− 0·05	− 2·3
6658	8·6	21·70	− 0·07	+ 0·1
6660	8·4	23·83	− 0·11	− 1·2
6676	8·0	21·65	− 0·03	− 0·5
6678	8·3	21·86	+ 0·03	− 0·7
6690	8·6	18·72	− 0·01	+ 0·4
6700	7·2	24·57	− 0·05	− 0·4
6703	6·5	23·15	+ 0·08	+ 0·6
6713	7·3	24·72	− 0·20	− 1·1
6715*	7·8	24·84	− 0·22	− 3·0
6729	8·9	18·58	+ 0·03	+ 0·3
6730	8·8	18·74	− 0·01	0·0
6735	8·1	21·80	− 0·08	− 1·0
6737	7·7	22·01	− 0·04	− 0·8
6738	6·5	24·89	− 0·12	− 0·2
6745	7·3	24·59	− 0·24	− 0·5
6748	7·8	24·14 24·64	− 0·17	+ 0·8
6767	8·9	20·96	+ 0·02	+ 0·5
6771*	8·8	16·61	− 0·08	− 2·7
6781	8·3	20·77	0·00	− 0·3
6783	7·7	23·75	− 0·04	− 0·3
6794	7·2	24·78	− 0·15	− 1·5
6795	8·1	18·91	+ 0·07	+ 0·3
6815	8·5	20·66	0·00	0·0
6821	7·8	23·94	− 0·04	− 2·0
6823	8·5	20·83	− 0·05	+ 0·4
6837	7·8	21·84	− 0·11	− 0·7
6841	6·0	24·57	− 0·08	− 2·5
6845	7·2	25·65	− 0·06	− 1·3
6853	7·5	22·74	− 0·04	0·0
6856	6·5	24·75	− 0·11	− 0·8
		19h		
6892	8·6	18·90	+ 0·11	− 0·9
6894	8·7	18·66	+ 0·03	− 0·5
6902	7·1	24·80	− 0·04	+ 0·5
6903*	7·8	19·77	+ 0·03	− 2·4
6910	8·3	21·26	+ 0·09	− 0·6
6912	8·1	19·86	+ 0·07	− 1·3
6916	8·1	21·84	− 0·09	− 1·3
6927	6·5	24·85	− 0·02	− 0·6
6943	6·5	24·54	+ 0·09	+ 1·0
6979	8·2	21·33	− 0·06	+ 1·0
6988	8·1	18·92	− 0·09	− 0·6
6989	8·9	18·86	+ 0·03	+ 1·0
6992	7·9	18·89	− 0·13	− 1·4
7007	8·0	20·44 20·48	− 0·01	− 0·7
7008	8·0	18·81	+ 0·08	+ 1·2
7009	9·6	18·92	+ 0·11	+ 1·4
7015	5·5	24·57	− 0·19	− 0·7
7017	8·6	23·80	− 0·04	− 0·6
7031	9·4	18·91	+ 0·26	+ 0·4
7034	8·6	18·57	+ 0·09	+ 0·7
7035	7·5	21·17	+ 0·09	+ 0·6
7043	7·5	23·02 22·97	+ 0·02	− 1·0

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.G.A., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
7051*	8·0	19·63	− 0·28	+ 0·7
7054	8·5	18·65	+ 0·05	+ 0·6
7056	7·8	19·75	+ 0·01	− 0·1
7065	8·3	18·77	− 0·09	− 0·1
7078	8·6	18·63	− 0·03	+ 0·2
7097	7·8	23·94	+ 0·04	− 0·5
7104*	7·0	24·60	− 0·18	− 3·2
7128	7·8	18·70	− 0·01	− 1·1
7134*	8·9	18·81	− 0·10	− 2·9
7151	7·9	18·85	− 0·03	+ 0·9
7154	8·4	18·86	− 0·05	+ 1·5
7156	7·0	23·33	+ 0·02	+ 0·6
7159	7·1	21·93	− 0·12	+ 0·6
7182	9·1	16·88	+ 0·05	+ 0·3
7199	8·2	18·85	− 0·03	+ 0·8
		20h		
7205	7·6	18·68	+ 0·07	− 1·2
7226	9·0	21·87	+ 0·04	− 0·3
7238	8·4	19·49	+ 0·07	+ 0·1
7252	9·0	18·89	+ 0·08	− 0·4
7260	8·8	19·72	− 0·05	+ 0·4
7262	7·5	23·06	+ 0·01	− 0·6
7263	8·0	20·93	− 0·04	+ 0·1
7268	8·5	18·94	− 0·07	0·0
7281	7·5	19·90	+ 0·08	− 1·4
7282*	6·2	24·78	− 1·12	− 6·0
7289	8·0	21·24	0·00	+ 0·8
7299	8·5	18·80	+ 0·04	0·0
7310	8·3	16·93	+ 0·02	0·0
7325	8·0	21·81	− 0·09	− 0·1
7335	9·0	18·87	− 0·02	0·0
7344	8·8	21·13	+ 0·13	− 0·1
7364	8·5	20·94	− 0·10	− 0·8
7380	8·5	18·92	+ 0·15	− 1·1
7385	7·5	23·80	− 0·28	− 0·8
7387	8·3	16·96	+ 0·09	− 0·4
7390	8·0	19·00	+ 0·26	+ 0·3
7400	8·5	18·93	+ 0·08	+ 0·1
7402	8·0	21·14	+ 0·08	− 0·4
7406	8·4	19·05	− 0·01	− 0·8
7428	7·4	21·07	+ 0·17	− 0·6
7431	8·0	21·71	− 0·01	− 1·7
7448*	8·3	20·89	+ 0·21	− 3·2
7450	7·3	25·34	− 0·02	− 0·7
7456	8·2	19·88	− 0·06	− 0·3
7461	5·6	24·98	− 0·01	− 0·6
7468	8·3	19·75	+ 0·03	− 1·2
7470	8·5	19·04	+ 0·18	− 0·1
7480	7·0	23·57	+ 0·07	− 0·7
7501*	8·5	19·74	+ 0·37	− 6·6
7505	9·3	18·73	+ 0·04	+ 0·1
7508*	6·0	24·98	− 0·44	+ 3·1
7517	8·1	23·75	+ 0·15	− 0·4
7519	9·6	19·00	+ 0·10	+ 1·3
7524	8·3	22·86	+ 0·06	+ 0·5
7529	7·0	23·76	− 0·03	− 0·5
7531	7·5	23·95	+ 0·05	+ 0·3
7542	7·5	24·85	− 0·21	− 1·2

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
			21h	
		y	s	″
7550	6·5	25·06	+ 0·10	− 1·7
7569	8·5	19·73	+ 0·14	− 0·7
7571	8·6	18·94	− 0·04	+ 1·1
7577	7·8	22·36	+ 0·05	− 0·4
7591	7·0	24·69	− 0·11	+ 0·2
7598	8·2	19·06	+ 0·01	− 0·2
7602	7·0	24·97	− 0·09	− 2·0
7613	7·5	23·08	+ 0·15	− 0·7
7615	8·1	18·87	− 0·03	− 1·0
7617	8·3	19·56	− 0·07	+ 0·5
7627*	6·2	22·85	− 0·07	− 3·2
7630	7·5	24·84	+ 0·16	− 0·3
7635*	7·3	24·34	+ 0·09	− 4·5
7643	8·9	18·79	− 0·04	− 0·6
7686	8·2	21·73	+ 0·03	− 2·2
7704	8·4	18·67	− 1·10	− 1·4
7707	9·3	18·89	+ 0·07	− 0·3
7708*	7·4	24·89	+ 0·93	− 5·1
7730	8·2	21·35	− 0·18	− 1·1
7735	8·0	23·19	+ 0·12	− 1·0
7746	7·5	22·49	+ 0·19	− 0·3
7759	8·6	21·19	− 0·18	− 1·7
7761*	7·0	24·42	+ 0·22	+ 0·7
7785	7·0	24·99	− 0·09	− 1·1
7786	7·7	23·96	+ 0·18	− 1·6
7799	8·9	16·86	+ 0·01	+ 0·8
7801	8·5	20·91	+ 0·02	− 0·7
7803	8·0	21·81	− 0·05	− 2·0
7826	7·7	23·04	+ 0·14	− 1·1
7832*	8·3	23·93	+ 0·11	− 5·4
7837	9·0	16·83	+ 0·08	+ 0·9
7847	9·0	18·75	+ 0·17	+ 0·7
7865	7·8	23·02	+ 0·11	− 0·6
7868	8·5	23·44	0·00	− 0·8
7880	8·0	20·96	+ 0·11	− 1·5
7882	8·3	23·85	+ 0·19	− 0·6
			22h	
7887	8·5	18·95	+ 0·02	+ 1·0
7897	8·0	22·80	0·00	− 0·4
7903	7·0	23·77	+ 0·28	− 1·2
7917	9·0	18·89	+ 0·21	+ 0·4
7920	8·0	22·23	+ 0·07	+ 0·5
7949	8·0	23·34	− 0·06	− 0·7
7953*	8·8	22·79	+ 0·47	− 3·4
7960	8·8	18·86	+ 0·23	+ 0·8
7962	9·1	18·93	+ 0·26	− 0·6
7970	8·2	23·29	− 0·03	+ 0·1
7985	8·0	22·62	+ 0·13	− 1·1
7987	7·2	25·57	− 0·03	− 0·7
7989	7·5	23·28	− 0·16	− 2·0
8006*	7·5	24·75	+ 0·80	− 9·2
8007	9·3	18·98	− 0·03	− 0·9
8014*	8·4	19·03	+ 0·34	− 1·8
8015	8·1	23·07	+ 0·05	− 1·3
8024	7·5	21·38	+ 0·05	− 1·2
8025*	7·2	24·84	− 0·46	− 5·6
8026	8·2	22·73	+ 0·03	− 0·2
8028	7·0	22·89	+ 0·13	+ 0·2
8039	8·6	18·98	− 0·11	− 1·2
8040	9·0	18·77	+ 0·03	+ 0·5
8043*	8·1	19·25	+ 0·50	− 0·1

No. 1900.	Mag.	Cape—C.G.A. ΔEp.	Δα	Δδ
		y	s	″
8046	8·8	19·33	+ 0·08	− 0·2
8057	7·0	23·22	+ 0·14	− 0·7
8061	8·7	18·95	+ 0·15	− 0·2
8068	7·9	18·94	+ 0·02	0·0
8070	7·9	22·05	+ 0·04	− 0·1
8075	7·5	24·55	+ 0·18	− 1·9
8088	8·8	18·96	+ 0·03	− 0·3
8112*	6·5	23·89	+ 0·52	− 1·3
8117*	7·0	23·85	+ 0·30	− 6·4
8126	4·0	20·00	+ 0·24	− 0·4
8143	9·4	18·85	+ 0·16	+ 1·5
8149	7·6	22·35	+ 0·04	− 1·0
8150	7·5	21·59	+ 0·14	− 0·9
8157*	6·0	22·71	+ 0·48	− 2·5
8166*	6·5	23·06	− 0·52	+ 1·2
8176	6·0	24·96	− 0·21	0·0
8182	8·6	18·89	+ 0·30	− 0·5
8184	7·9	23·89	− 0·04	+ 0·4
8189	9·5	16·95	+ 0·05	− 0·4
8196	7·2	23·30	+ 0·27	− 0·2
8203*	7·5	22·77	+ 0·53	− 5·5
8208	7·0	25·99	+ 0·02	− 0·9
			23h	
8234	6·5	22·93	+ 0·11	− 0·3
8245	8·3	19·00	+ 0·22	− 0·3
8265	6·5	25·30	− 0·11	− 1·1
8271	8·5	23·87	− 0·02	− 1·4
8293	7·0	21·92 22·51	+ 0·01	− 0·9
8302	7·0	22·99	+ 0·04	+ 0·8
8306*	6·2	25·25 25·32	− 0·01	− 3·3
8317	9·0	16·96	+ 0·22	+ 0·2
8341	8·1	19·08	+ 0·04	+ 0·7
8345	6·0	24·10	− 0·01	− 0·1
8346	7·2	22·21	+ 0·03	+ 0·2
8354	8·4	19·91	+ 0·01	− 0·5
8374	7·9	23·87	+ 0·09	+ 0·6
8379	8·2	19·84	+ 0·02	− 1·2
8385	8·6	18·93	+ 0·02	− 0·3
8424	8·0	19·89	− 0·05	− 0·6
8425	8·8	18·97	0·00	+ 0·3
8426	9·4	18·18	− 0·04	− 0·2
8434	8·2	23·88	− 0·04	+ 0·1
8444	8·7	18·89	+ 0·03	− 1·0
8445	9·5	17·01	− 0·20	− 0·8
8454	8·9	23·46	− 0·22	+ 1·4
8458	5·0	22·85	+ 0·03	− 1·2
8461*	6·9	24·92	− 1·13	− 6·2
8464*	6·5	24·23	− 0·30	− 0·7
8467	7·0	25·12	− 0·06	− 0·3
8469	8·7	18·95	0·00	− 0·4
8476	8·5	20·96	+ 0·08	− 0·3
8481	7·0	23·68	− 0·16	+ 0·5
8495	7·9	23·05	+ 0·24	− 0·7
8496	9·0	19·92	+ 0·09	+ 1·6
8521	8·4	22·66	− 0·02	+ 0·9
8523	8·0	20·75	+ 0·28	− 0·6
8532	7·8	20·26	+ 0·04	− 0·4
8542	6·0	25·14 25·29	− 0·17	− 1·3
8544	5·8	23·20	+ 0·03	+ 0·3
8554	7·9	19·87	+ 0·06	+ 0·3

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
			0^h	
		y	s	″
8	8·5	24·01	+ 0·08	− 0·7
9	9·5	24·42	− 0·07	+ 0·1
12*	8·5	24·90	+ 0·42	− 0·9
		24·91		
13	9·0	24·92	− 0·05	− 0·2
27*	8·5	24·05	+ 0·38	− 3·5
32*	8·5	24·38	− 0·31	− 1·0
55*	8·9	24·92	+ 0·24	− 2·7
59	8·1	24·92	+ 0·12	− 0·3
63	8·0	24·87	− 0·04	− 0·7
67*	9·6	25·01	− 0·33	+ 0·3
95	8·5	24·51	− 0·02	+ 1·6
98	9·0	24·15	− 0·15	− 1·5
106	9·0	24·51	− 0·05	− 0·4
111*	8·5	24·89	+ 0·23	− 3·4
122	9·0	24·58	+ 0·02	+ 0·5
125	9·0	23·38	+ 0·19	− 0·7
129	9·0	24·06	+ 0·13	− 1·0
146	9·0	24·99	+ 0·11	− 2·8
148	9·1	24·95	− 0·01	+ 0·1
155	9·0	24·03	+ 0·09	+ 0·2
160	8·5	24·05	+ 0·03	− 2·6
169	8·2	23·95	+ 0·14	0·0
170	9·5	24·44	− 0·07	− 2·5
177	8·5	24·04	+ 0·10	+ 0·6
182	9·5	23·95	+ 0·21	− 0·8
184	8·5	23·98	− 0·02	− 0·5
189	8·3	24·05	+ 0·08	− 0·7
195	8·5	24·67	+ 0·07	0·0
200	8·8	24·87	− 0·07	− 0·6
207	8·5	24·25	− 0·07	− 1·5
214	8·5	24·54	+ 0·04	− 1·4
224	9·4	24·65	− 0·13	− 0·1
229	9·2	24·95	+ 0·16	− 1·4
238	9·0	24·00	− 0·06	− 0·7
239	8·8	24·63	− 0·01	− 0·4
245	9·0	23·95	+ 0·03	− 0·4
257	9·5	24·96	− 0·12	− 0·3
260	8·9	24·86	+ 0·02	+ 0·2
267*	9·5	24·08	+ 0·32	− 5·4
280	9·0	24·10	+ 0·08	− 0·9
282	8·7	24·61	− 0·01	− 0·6
286	9·0	24·05	− 0·13	− 1·9
288	8·0	24·00	− 0·05	− 2·0
290	10·0	24·38	− 0·09	+ 0·1
291	8·0	23·96	− 0·04	− 0·8
295	9·0	23·95	+ 0·06	− 0·8
297*	8·3	24·02	− 0·26	− 3·7
301	8·0	23·98	+ 0·07	− 1·8
306	8·5	23·98	+ 0·14	− 2·4
307	8·5	24·10	− 0·09	− 1·4
		24·03		
309	9·2	24·64	− 0·02	− 2·4
319	10·0	23·96	− 0·02	− 0·8
325	9·4	24·57	− 0·22	+ 0·4
328	9·0	24·95	+ 0·27	+ 0·4
			1^h	
338	7·8	23·93	+ 0·10	− 0·8
342	8·7	24·33	− 0·06	+ 0·3
346	8·0	24·76	− 0·06	+ 1·3
357	8·5	24·01	+ 0·07	+ 0·4
362	8·3	24·53	+ 0·11	+ 0·4
363	7·7	24·50	+ 0·15	− 1·0
367	8·5	23·96	0·00	− 0·6
		23·98		
372	8·0	23·93	+ 0·09	0·0
378*	9·5	23·92	+ 0·36	− 2·4
390	7·5	23·93	− 0·05	− 0·1
392*	8·5	23·95	− 0·63	− 3·3
393	9·0	24·36	− 0·14	− 1·4
400	8·5	23·95	+ 0·14	+ 0·2
404	8·0	23·92	− 0·18	− 0·1
405	8·0	24·01	− 0·01	− 0·5
410	9·5	23·95	0·00	− 2·0
421	9·5	24·01	+ 0·01	− 1·1
433	9·5	23·92	+ 0·09	− 0·5
438	9·5	23·99	+ 0·02	0·0
443	8·5	23·92	− 0·14	− 2·0
449	9·0	23·92	− 0·31	− 2·4
454	8·7	24·94	+ 0·17	− 1·6
455	8·9	24·96	+ 0·16	− 0·5
461	7·5	24·26	+ 0·09	− 0·5
464	8·5	24·71	− 0·22	− 0·8
471	8·0	24·22	+ 0·01	− 1·2
472	8·5	24·33	− 0·02	− 0·4
477	8·7	24·04	+ 0·16	+ 0·1
480	9·5	23·94	− 0·11	− 1·4
488	8·0	24·12	− 0·17	− 1·5
489	9·0	23·92	− 0·02	− 1·5
491	8·6	24·38	− 0·26	− 1·7
502	8·5	23·94	+ 0·18	− 0·8
505	9·0	23·64	− 0·18	− 0·4
510	9·0	23·60	− 0·29	− 2·2
511	7·5	23·96	+ 0·15	+ 0·8
512*	8·0	24·35	− 0·05	− 3·3
514	8·0	23·82	− 0·06	− 1·9
517	8·8	23·46	− 0·23	+ 1·2
524	9·0	24·89	− 0·10	+ 0·6
539	8·8	23·61	− 0·11	− 1·9
543	8·0	23·85	+ 0·01	− 0·6
548	8·0	23·45	− 0·13	− 1·2
561	9·0	23·60	− 0·02	+ 1·0
572	7·2	24·94	− 0·11	− 0·5
575	8·8	24·72	− 0·06	− 1·8
577	8·5	24·24	− 0·07	− 1·1
594	8·4	24·86	+ 0·09	− 0·5
597	8·0	24·69	0·00	− 1·2
603	9·5	24·18	− 0·13	− 2·5
612	8·5	24·33	+ 0·03	− 1·5
616*	9·0	23·95	+ 0·34	− 7·3
628	8·9	24·92	− 0·19	− 0·4
648	9·0	24·90	− 0·11	− 0·9
660*	8·5	23·95	+ 0·32	− 2·3
663	9·2	24·54	− 0·12	0·0
			2^h	
667	9·5	23·93	− 0·05	− 0·2
671	8·9	24·73	− 0·02	+ 0·5
672	8·7	24·92	+ 0·01	− 1·1
674	8·5	24·13	+ 0·13	− 0·4
703	9·5	23·96	+ 0·04	− 1·6
707	9·5	23·96	0·00	+ 0·1
709	9·0	24·17	+ 0·02	− 1·4
714*	9·0	23·54	− 0·15	− 6·0
715	9·0	24·16	− 0·02	− 1·4
724	9·3	24·34	− 0·18	− 1·1
727	9·0	24·63	− 0·01	+ 1·6
732	9·3	24·72	− 0·07	+ 0·2
741	9·3	24·74	0·00	− 1·4
746	8·5	23·92	− 0·06	− 0·2
753	9·0	24·12	− 0·09	+ 2·0
765	9·3	24·94	− 0·02	− 1·3
771	9·0	23·95	− 0·24	+ 0·2
789	8·0	24·17	− 0·02	0·0
797	9·5	23·97	− 0·04	+ 0·3
811	9·0	23·48	− 0·02	− 1·3
813	9·2	24·58	− 0·05	+ 0·1
820	9·6	24·92	− 0·10	− 0·3
822	8·9	23·83	− 0·03	− 1·1
831	9·5	23·98	− 0·19	+ 0·6
839	9·2	24·55	− 0·08	− 0·4
842	8·8	24·91	− 0·07	− 1·2
850	9·5	23·19	− 0·12	− 1·2
851	8·8	23·89	+ 0·13	− 0·9
852	8·4	24·74	+ 0·01	− 2·2
863	9·0	24·19	+ 0·04	− 0·8
874	9·0	24·95	− 0·19	+ 0·5
892	9·0	24·93	− 0·03	− 1·0
895	8·7	24·54	+ 0·05	+ 0·2
896	8·4	24·04	− 0·15	− 0·9
903	8·4	24·95	− 0·06	− 0·7
914	8·9	23·91	− 0·05	− 3·0
926	8·8	24·92	− 0·01	− 0·5
931	8·8	23·17	− 0·07	− 2·4
940	8·5	22·97	− 0·12	− 0·1
948	8·2	24·19	− 0·14	− 0·3
959	8·5	22·96	− 0·07	− 0·9
968	8·5	22·95	+ 0·03	− 0·8
977	8·3	24·13	− 0·15	− 1·9
985	8·3	24·01	+ 0·02	− 1·1
996	8·3	23·94	+ 0·11	+ 0·7
998	9·0	24·35	+ 0·25	− 1·3
			3^h	
1005	9·0	23·96	+ 0·06	− 0·7
1015	8·3	23·94	− 0·05	− 1·5
1018	8·3	23·48	− 0·22	− 1·3
1025	8·3	23·47	+ 0·08	− 1·3
1026	7·5	24·04	+ 0·07	− 0·8
1031	9·0	23·03	− 0·07	− 0·1
1036	9·0	23·01	− 0·04	− 1·5
1039	8·8	23·49	− 0·02	− 1·5
1042	9·0	24·42	+ 0·07	+ 1·7
1051	8·1	23·86	0·00	− 0·5
1062	8·1	23·48	− 0·01	− 1·4
1070	8·0	23·99	− 0·03	+ 0·9
1073	8·8	23·46	− 0·07	− 0·5
1076	8·2	23·96	− 0·29	− 0·3
1077	8·0	24·39	+ 0·03	− 0·1
1081	9·0	23·01	− 0·25	− 0·9
1083	8·3	23·49	0·00	− 2·4
1084	8·5	23·69	− 0·08	− 1·1
1094*	9·5	23·04	− 0·35	− 1·4
1098	8·8	23·96	− 0·15	− 2·0
1113	9·2	24·89	+ 0·04	− 1·2
1129	8·8	23·99	− 0·09	− 1·1
1130*	8·6	24·57	0·00	+ 0·7
1132	9·0	24·41	− 0·20	+ 0·8
1142	9·0	23·05	− 0·03	+ 2·7
1150*	8·5	24·15	− 0·20	− 4·7
1158	9·5	23·02	0·00	− 1·6
1165	9·0	24·46	− 0·18	− 1·2
1166	9·0	24·10	− 0·14	− 1·6
		24·16		
1171	9·0	23·49	− 0·03	− 1·1
1176	8·3	23·94	− 0·23	− 1·1
1185	9·5	23·92	− 0·18	− 2·3
1189	8·5	23·88	+ 0·06	− 2·2
1192	8·8	24·06	+ 0·07	− 2·1

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ -40° TO -44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
1205*	8·5	24·11	− 0·19	− 4·5
1209	8·5	23·68	− 0·01	− 2·2
1217	8·5	24·20	− 0·09	− 1·7
1218	9·0	24·37	− 0·21	− 0·4
1224	9·5	23·92	− 0·04	− 2·8
1230	9·6	24·31	− 0·10	− 1·5
1233	7·7	24·28	− 0·01	− 1·3
1244	9·0	23·94	+ 0·01	+ 0·3
1245	9·4	24·44	− 0·28	− 0·9
1248	9·1	24·35	− 0·26	− 2·5
1250	9·8	24·33	− 0·11	− 2·1
1257	8·8	23·50	− 0·07	− 1·1
1265	9·3	23·49	− 0·19	− 1·9
1269	8·5	24·02	− 0·23	− 2·1
1272*	8·5	23·53	+ 0·23	+12·2
1276	8·0	23·97	− 0·15	− 1·1
1286	8·3	23·48	− 0·16	− 1·6
1293	7·5	24·19	− 0·08	− 0·2
1294	9·4	24·19	− 0·02	− 1·2
1303	9·0	23·69	+ 0·04	− 1·5
1305	8·0	23·91	+ 0·08	− 1·4
1306	7·7	24·97	− 0·11	− 1·6
1307	8·0	24·40	− 0·12	− 0·2
1309	8·7	24·46	− 0·14	− 0·2
1319	9·0	23·24	+ 0·09	+ 1·0
1320	8·5	19·02	− 0·08	+ 0·5
1324	8·0	23·26	− 0·05	− 2·9
1331	8·3	23·28	+ 0·10	− 1·1
1339	9·3	24·27	− 0·08	+ 0·5
1343	8·8	24·25	− 0·07	+ 0·6
1341	9·0	23·26	+ 0·03	− 0·5
1346	8·0	21·67	− 0·14	− 1·1
			4^h	
1355	8·5	23·29	− 0·01	− 0·1
1358	8·8	23·29	− 0·06	− 0·2
1359	9·0	21·72	− 0·17	− 1·0
1363	9·0	23·32	− 0·05	− 1·7
1372	8·6	23·29	+ 0·04	− 0·9
1374	8·8	23·25	− 0·14	− 0·8
1385	9·0	23·05	+ 0·01	− 1·8
1390	8·0	24·29	− 0·16	+ 0·1
1397	9·0	23·30	− 0·16	− 1·1
1407	8·5	23·30	− 0·20	− 3·4
1417	8·4	19·24	− 0·07	+ 0·3
1422	8·5	23·73	− 0·05	+ 0·2
1423	9·0	23·73	− 0·15	− 1·0
1431	8·5	23·09	− 0·16	− 2·5
1436	9·0	24·98	− 0·16	− 1·9
1437	8·8	24·25	− 0·11	+ 0·4
1439	9·0	23·29	− 0·05	− 2·7
1440*	9·0	23·33	− 0·03	− 5·1
1451	8·3	23·75	+ 0·12	− 0·8
1462	9·1	24·24	− 0·10	+ 1·4
1463	8·3	23·33	− 0·02	+ 0·2
1464	9·0	24·77	− 0·11	− 0·5
1465	9·2	23·51	− 0·09	− 2·1
1467	8·5	22·08	+ 0·04	+ 0·1
1475	9·1	24·29	− 0·15	+ 0·2
1479	9·1	22·28	+ 0·01	0·0
1485	9·5	23·31	+ 0·09	+ 1·2
1487	8·4	24·06	− 0·09	− 0·1
1494*	9·2	24·96	− 0·35	− 2·1
1499	8·3	24·11	− 0·12	− 0·3
1502	9·4	23·33	0·00	− 2·0
1508	9·0	19·24	− 0·09	+ 1·2
1512*	9·1	24·35	+ 0·28	+ 0·8
1516	8·0	21·37	+ 0·10	+ 0·6
1517	9·0	24·35	+ 0·17	− 1·2
1519	8·8	24·25	− 0·09	+ 0·5
1525	9·0	21·77	+ 0·11	+ 0·7
1527	8·5	23·89	+ 0·06	− 1·6
1532	8·0	23·94	+ 0·15	+ 0·4
1533	9·1	21·74	+ 0·06	− 0·4
1534*	8·6	24·35	+ 0·31	− 0·8
1537	9·0	24·96	− 0·07	+ 0·7
1544	8·9	24·29	− 0·11	− 0·7
1548	8·8	23·05	− 0·06	+ 1·1
1551*	9·4	19·25	− 0·05	− 3·3
1552	8·9	24·35	+ 0·13	− 0·9
1556	8·7	24·08	− 0·03	+ 0·7
1560	8·5	24·17	+ 0·18	+ 1·8
1565	9·0	24·18	+ 0·07	+ 0·5
1566	9·0	24·11	+ 0·09	+ 0·1
1584	9·1	24·35	− 0·06	− 1·1
1592	9·3	21·69	0·00	− 0·8
1598	8·5	23·76	+ 0·24	− 0·6
1601	9·3	19·04	− 0·02	+ 1·5
1602*	9·0	24·14	− 0·02	− 4·3
1604	9·0	24·96	− 0·17	+ 0·5
1615	8·4	24·34	+ 0·19	− 1·8
1618	8·5	24·30	+ 0·17	+ 1·2
1626	9·2	22·33	− 0·14	− 1·2
1631	8·5	24·13	+ 0·24	− 0·8
1634	7·5	23·84	+ 0·01	+ 1·7
1638	8·5	23·64	− 0·11	− 0·9
1640	9·0	24·14	+ 0·16	− 0·5
1642	8·7	24·19	− 0·08	− 1·4
1648	7·5	23·29	0·00	+ 0·4
1649	8·5	24·12	+ 0·17	− 1·1
1659	8·5	24·12	+ 0·06	− 0·2
1662	8 5	24·15	+ 0·17	− 1·0
1670	9·0	24·10	+ 0·15	+ 0·3
1672	8·0	24·15	+ 0·06	+ 0·4
1680*	9·5	23·37	− 0·17	− 4·3
1686	8·0	24·36	+ 0·10	+ 0·6
1688	9·5	24·45	− 0·07	− 0·4
1689	9·2	24·54	0·00	+ 1·0
			5^h	
1695	8 5	23·90	− 0·11	− 3·1
1703	9·0	23·70	− 0·02	− 1·2
1708	8·0	24·17	+ 0·14	+ 2·5
1720	7·9	24·09	− 0·06	− 0·5
1725	8·5	23·84	+ 0·12	+ 0·4
1730	9·0	23·88	+ 0·18	+ 0·7
1731	9·1	23·99	− 0·09	+ 0·1
1742	9·0	23·96	+ 0·15	− 0·1
1743	9·0	23·97	− 0·11	− 0·9
1747	8·5	23·95	+ 0·18	− 0·2
1748	9·5	24·19	+ 0·04	+ 0·4
1752	8·5	23·88	+ 0·15	− 0·3
1759	9·0	24·19	+ 0·10	− 0·8
1771	8·1	24·19	+ 0·07	+ 1·7
1779	8·5	23·48	0·00	− 0·7
1785	8·5	24·13	+ 0·08	+ 0·7
1791	8·5	23·52	− 0·01	− 0·7
1797	8·0	24·06	− 0·04	− 2·3
1803	8·5	24·06	+ 0·10	− 0·9
1806	9·5	23·90	+ 0·16	− 0·7
1811*	8·5	23·93	− 0·02	+ 5·5
1816	9·0	23·86	− 0·17	− 1·1
1820	8·3	23·94	+ 0·15	− 0·5
1823	8·0	23·94	+ 0·15	+ 1·4
1826	9·0	24·01	− 0·15	− 1·7
1827	8·5	24·16	+ 0·02	− 1·8
1840	8·8	24·00	− 0·29	− 1·6
1841	8·7	24·19	+ 0·22	− 0·9
1846	8·8	23·60	+ 0·11	− 0·7
1847	8·0	24·17	+ 0·09	+ 0·7
1851	8·7	24·09	− 0·14	− 1·5
1854	8·5	23·79	+ 0·09	− 0·5
1856	9·0	24·17	+ 0·23	+ 0·8
1867	9·6	24·09	− 0·42	− 0·5
1868	8·0	23·88	+ 0·03	− 1·1
1872	8·3	24·10	− 0·08	+ 0·3
1881	8·5	23·70	− 0·22	− 0·4
1885	9·0	24·18	+ 0·03	0·0
1893*	9·0	23·71	+ 0·03	+ 4·8
1903	9·0	24·20	+ 0·05	− 1·4
1908	8·6	23·98	+ 0·11	− 1·6
1918	9·0	23·79	+ 0·22	+ 0·4
1919	8·3	23·75	− 0·15	− 1·6
1927	9·0	24·06	− 0·11	− 1·2
1928	9·0	24·14	− 0·12	+ 1·1
1929	8·9	24·00	− 0·06	− 1·1
1931	8·5	24·15	+ 0·06	+ 0·3
1934	9·5	24·15	+ 0·01	− 2·1
1940	8·5	23·85	− 0·22	− 0·9
1947*	8·5	24·16	− 0·18	...
1951	8·1	23·94	− 0·14	− 0·6
1971	9·5	23·91	− 0·34	− 1·3
1972	8·7	23·84	− 0 15	+ 3·2
1979*	9·0	23·93	− 0·34	− 2·6
1980	8·2	22·91	− 0·12	+ 0·1
2001	8·6	24·13	− 0·23	− 1·5
2010	9·0	23·94	− 0·20	− 1·2
2017	8·5	22·49	− 0·10	− 0·1
2018	7·9	23·59	− 0·08	+ 0·2
2021	8·5	24·05	− 0·13	− 1·8
2022	9·1	24·14	− 0·43	− 3·1
2024	9·0	24·20	− 0·31	− 2·2
2040	8·6	23·05	− 0·08	+ 0·7
			6^h	
2051*	8·5	23·20	− 0·26	− 1·7
2054	8·0	23·67	− 0·20	− 0·1
2061	8·5	23·16	− 0·14	− 0·9
2063	7·8	22·58 22·68	− 0·10	− 1·0
2065	9·0	23·07	− 0·08	− 1·0
2080	8·0	23·91	− 0·18	− 1·5
2088	9·1	23·91	− 0·19	− 0·7
2093	9·0	23·91	− 0·31	− 0·1
2106*	8·3	24·03	− 0·27	− 4·7
2110	9·0	24·08	− 0·24	− 0·1
2111	8·5	22·88	− 0·08	− 0·1
2116*	9·4	23·94	+ 0·02	+ 3·6
2124	9·4	23·89	− 0·26	− 0·6
2136	9·3	23·51	− 0·17	− 2·6
2140	9·0	22·51	− 0·04	− 1·3
2144	8·7	24·12	− 0·22	− 0·2
2146	9·0	24·15	− 0·18	− 1·0
2148	8·1	24·10	− 0·21	− 1·2
2152	8·5	23·49	− 0·11	− 0·6
2154*	8·5	24·03	+ 0·30	− 2·7
2161	9·0	24·19	− 0·22	− 2·5
2163	9·0	23·58	− 0·16	− 1·5
2168	9·0	23·76	− 0·18	− 2·1
2170	8·8	24·09	− 0·11	− 1·9
2171*	9·3	23·68	− 0·58	− 0·9

* An asterisk attached to the No. indicates that $\Delta\alpha$ and $\Delta\delta$ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
2178	9·0	23·06	− 0·22	0·0
2184	9·0	24·10	− 0·13	0·0
2187	9·5	23·65	− 0·25	− 2·1
2196	8·6	23·76	− 0·13	− 1·5
2206	8·5	23·76	− 0·18	− 0·1
2208	8·7	24·14	− 0·21	− 1·7
2211	8·0	23·74	− 0·11	− 1·9
2213	8·5	23·93	− 0·12	− 1·6
2214	8·0	23·75	− 0·10	− 0·2
2228	8·0	23·19	− 0·29	− 1·6
2230	8·5	22·13	− 0·26	− 2·1
2232	8·9	23·05	0·00	− 0·2
2233*	8·1	23·87	+ 0·17	− 0·2
2237	8·8	23·63	− 0·12	− 0·9
2242	8·0	24·04	− 0·09	− 0·9
2245	8·5	23·94	− 0·26	− 1·4
2250	9·4	23·72	− 0·28	− 1·6
2252*	9·3	22·71	− 0·09	0·0
2254	8·5	23·76	− 0·12	− 0·8
2257	7·5	23·38	− 0·31	− 1·0
2265*	8·5	23·57 23·66	− 0·43	− 1·9
2268	9·3	22·86	− 0·12	− 0·9
2281	8·5	24·07	− 0·04	− 1·8
2282	9·0	24·15	− 0·21	− 0·3
2292	8·0	23·45	− 0·35	− 2·0
2297	9·3	23·85	− 0·29	− 2·5
2301	8·0	22·71	− 0·25	− 1·0
2302	9·0	23·08	− 0·10	− 0·6
2307*	8·5	23·41	− 0·40	+ 1·9
2309	8·5	23·22	− 0·17	− 0·5
2311	8·5	23·67	− 0·04	− 1·0
2312	9·5	23·77	− 0·37	− 1·1
2316	9·2	24·14	− 0·20	− 0·9
2321	8·0	22·16	− 0·28	− 1·4
2324	9·5	23·76	− 0·24	− 0·1
2330	8·5	23·38	− 0·24	− 1·7
2333	8·5	22·52	− 0·05	− 2·3
2337	9·3	24·15	− 0·26	− 2·1
2342	9·0	23·24	− 0·17	− 0·6
2354*	8·5	23·18	− 0·06	− 4·0
2362	9·0	23·10	− 0·06	− 0·6
2366	8·8	23·13	− 0·09	− 1·5
2370	9·3	23·09	− 0·14	+ 0·1
2378	9·0	22·57	− 0·08	− 0·2
2382	8·7	22·79	− 0·25	− 0·6
2390	8·8	22·04	− 0·22	− 2·1
2396*	8·8	24·16	− 0·25	− 2·4
2398	9·3	23·58	+ 0·02	− 1·4
2401	8·5	23·39	− 0·18	+ 0·7
2409	8·5	23·56	− 0·26	− 1·1
2411*	8·8	23·29	− 0·04	− 3·9
2425	9·2	23·56	− 0·41	+ 0·1
			7^h	
2430	9·4	23·61	− 0·29	− 1·7
2431	9·5	23·31	− 0·12	− 2·3
2432	9·5	23·76	− 0·09	+ 0·5
2437	8·4	22·99	− 0·10	+ 1·5
2438	8·5	23·28	− 0·24	− 0·7
2440	8·5	23·13	− 0·27	− 0·1
2454	9·3	22·54	− 0·19	− 1·3
2457	9·0	23·10	− 0·08	− 1·5
2459	9·5	22·25	− 0·32	− 0·7
2465	9·0	23·79	− 0·31	− 1·2
2473	9·5	24·00	− 0·32	− 1·1
2478	9·0	22·88	− 0·33	− 0·5
2485	9·0	23·63	− 0·29	− 0·2
2487	9·5	24·01	− 0·23	− 1·2
2489	8·0	22·34	− 0·17	− 1·0
2495	9·3	23·99	− 0·39	+ 0·5
2505	8·0	23·26	− 0·17	− 0·9
2511	9·3	22·48	− 0·30	+ 1·6
2512	8·8	23·43	− 0·21	0·0
2518	8·6	23·10	− 0·13	− 0·5
2519	9·0	22·89	− 0·25	+ 1·0
2522	9·0	22·15	− 0·08	− 1·2
2527	8·0	23·31	− 0·27	− 0·5
2528	8·8	23·79	− 0·19	− 0·7
2529	9·5	23·27	− 0·50	− 0·5
2532	8·8	23·22	− 0·16	− 0·2
2536*	9·0	22·32	+ 0·06	+ 0·2
2540	9·0	24·00	− 0·10	− 2·0
2541	8·3	23·32	− 0·13	0·0
2542	8·5	23·24	− 0·24	− 1·5
2547	9·5	23·22	− 0·11	+ 1·6
2550*	9·0	22·50	− 0·32	− 1·4
2554	9·0	22·93	− 0·39	− 2·2
2556	9·5	23·43	− 0·45	− 1·3
2558	9·0	22·85	− 0·30	− 1·6
2562	8·5	22·20	− 0·27	− 1·9
2564	9·3	22·54	− 0·26	− 2·1
2566	9·0	22·78	− 0·19	− 0·5
2567	8·0	23·58	− 0·12	− 0·5
2570	8·6	23·85	− 0·25	− 1·5
2573	7·0	23·45	− 0·35	− 1·0
2578	8·0	22·97	− 0·09	− 0·9
2584	9·0	23·83	− 0·39	− 1·8
2586	8·5	23·69	− 0·30	− 3·1
2589	8·1	23·13	− 0·21	− 0·7
2592	9·5	23·82	− 0·23	− 1·7
2593	9·1	23·17	− 0·30	− 1·0
2600	8·8	23·13	− 0·20	− 0·7
2609*	9·0	22·52	− 0·33	+ 1·3
2610	9·0	23·55	− 0·39	− 1·4
2612	9·5	23·80	− 0·41	− 0·3
2615	8·9	24·05 24·04	− 0·30	− 0·8
2619	9·0	22·13	− 0·20	− 1·1
2622	9·5	24·05	− 0·49	− 0·5
2623	9·0	23·59	− 0·30	− 0·9
2627	7·8	23·36	− 0·20	− 1·7
2629	9·5	22·69	− 0·25	+ 1·3
2633	9·5	22·78	− 0·46	− 1·2
2636	7·5	21·99	− 0·07	− 1·6
2645	9·0	23·09	− 0·06	− 2·0
2646	8·5	23·12	− 0·11	− 1·1
2647	10·0	23·65	− 0·56	− 0·2
2649	9·0	23·80	− 0·29	− 1·7
2654	9·9	23·32	− 0·40	− 0·2
2656	9·0	23·59	− 0·33	− 2·1
2660	8·5	22·45	− 0·27	− 2·5
2668	9·0	23·36	− 0·27	− 1·0
2674*	8·5	23·27	− 0·45	− 0·8
2676	9·0	22·26	− 0·16	− 1·8
2677*	7·5	23·29	− 0·49	− 0·2
2678*	9·0	23·08	+ 0·07	− 0·2
2681	9·3	23·80	− 0·09	− 2·9
2684	8·5	23·07	− 0·25	− 0·6
2689	9·0	23·59	− 0·31	+ 0·3
2691	9·0	22·59	− 0·11	− 1·8
2694*	8·5	22·03	− 0·03	− 3·9
2701	Var.	23·25	− 0·39	− 0·1
2703	9·0	22·74	− 0·26	− 1·0
2707	9·0	23·27	− 0·18	− 0·6
2711	9·5	23·46	− 0·18	− 0·4
2712	7·5	23·58	− 0·14	− 1·1
2717*	8·8	23·67	− 0·27	+ 0·6
2719	8·3	23·69	− 0·10	− 3·2
2724*	7·5	23·79	− 0·46	− 2·3
2727	8·3	22·45	− 0·12	− 1·7
2728	8·8	24·07	− 0·39	− 1·2
2744	9·6	22·93	− 0·28	− 0·9
2746	9·0	22·29	− 0·35	− 1·3
2750*	8·5	22·72	+ 0·10	− 1·2
2756	9·0	23·30	− 0·28	− 1·3
2757	9·0	22·71	− 0·21	− 2·0
2759	8·0	22·74	− 0·08	− 1·7
2763	8·0	23·47	− 0·27	− 0·9
2773	9·1	23·44	− 0·29	− 1·3
2777	9·0	23·07	− 0·24	− 1·5
2780*	8·5	23·06	− 0·12	+ 6·5
2789*	8·5	24·04	− 0·34	+ 4·6
2790	8·5	21·98	− 0·19	− 2·1
2795	8·0	23·30	− 0·18	+ 0·3
2800	8·0	21·98	− 0·19	− 1·0
2801	8·5	24·04	− 0·32	− 2·3
2803	8·0	23·35	− 0·32	− 1·7
2804	9·2	22·97	− 0·21	− 1·5
2809	9·0	23·10	− 0·31	− 0·1
2811	9·0	23·38	− 0·29	− 1·7
2817	8·8	22·98	− 0·25	− 1·7
2819	9·0	23·79	− 0·35	− 0·3
			8^h	
2822	8·9	23·88	− 0·25	− 2·2
2826	9·0	23·52	− 0·38	− 1·5
2833	8·5	22·77 22·64	− 0·14	− 0·0
2837	8·5	22·02	− 0·15	− 1·5
2844	8·8	22·09	− 0·18	− 1·2
2848	9·0	23·14	− 0·39	− 1·1
2858	9·0	23·86	− 0·24	− 1·5
2859	8·0	21·94	− 0·21	− 0·1
2865	8·8	24·03	− 0·31	− 1·1
2868	9·0	22·23	− 0·18	− 1·5
2870*	8·5	22·71 22·63	− 0·55	+ 1·2
2879	8·5	24·03	− 0·32	− 1·9
2880	9·4	23·00	− 0·17	− 0·4
2882	9·0	24·07	− 0·29	+ 0·2
2884*	9·3	24·13	− 0·78	− 2·3
2889	9·0	23·37	− 0·32	0·0
2892	9·0	21·52	− 0·25	+ 0·7
2893	8·8	22·94	− 0·19	− 1·7
2895	9·2	22·37	− 0·37	− 0·4
2900	9·1	22·91	− 0·23	+ 0·1
2901	9·5	22·94	− 0·36	− 0·9
2908	9·0	22·38	− 0·26	− 1·3
2911	8·8	23·02 22·84	− 0·11	+ 0·7
2912*	9·1	23·00	− 0·57	− 1·0
2914	9·5	23·36	− 0·39	− 0·6
2919	9·0	22·41	− 0·32	− 1·4
2920	9·0	22·95	− 0·32	+ 0·1
2923	9·0	22·53	− 0·16	+ 0·6
2926	9·2	22·21	− 0·33	+ 0·1
2930	7·9	22·59	− 0·47	− 0·4
2934	9·3	22·09	− 0·44	+ 0·7
2937	8·0	22·66 22·59	− 0·19	− 1·1
2938*	7·5	22·14	− 0·18	− 3·4
2942	9·0	21·67	− 0·35	+ 0·7
2951	8·5	21·68	− 0·26	+ 0·4

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
2956	8·0	21·97	− 0·23	− 0·6
2957	8·5	21·88	− 0·03	+ 0·9
2961*	8·0	21·58	− 0·19	+ 0·1
2962	7·5	22·42	− 0·15	− 2·7
		22·27		
2966	8·5	21·91	− 0·24	− 0·5
2969	8·5	20·88	− 0·12	+ 1·0
2970	9·0	20·95	− 0·21	+ 1·2
2977	8·5	20·93	− 0·29	− 0·5
2983	9·0	20·97	− 0·25	+ 0·3
2985	7·5	21·17	− 0·27	+ 0·6
		21·14		
2991	8·5	20·94	− 0·17	+ 0·4
2995	8·5	21·51	+ 0·04	− 1·6
2996	9·0	21·59	− 0·43	+ 0·2
3000	8·5	20·93	− 0·21	+ 1·4
3009	9·0	20·96	− 0·21	+ 0·3
3012*	9·5	20·91	− 0·55	− 2 0
3013	8·5	21·17	− 0·10	+ 2·6
		21·14		
3021*	7·3	21·14	− 0·40	− 3·8
3026	7·5	21·45	− 0·02	+ 1·5
3029	9·0	21·08	− 0·23	− 2·7
3031	7·8	20·93	− 0·22	− 0·6
		20·94		
3046	7·8	20·92	− 0·16	− 0·1
3052	9·0	21·33	− 0·32	− 0·6
3053	8·5	21·34	− 0·23	− 1·3
3057	9·0	20·90	− 0·18	+ 1·4
3063	7·8	21·43	− 0·13	− 0·4
3065	9·0	20·96	− 0·33	+ 1·3
3071	9·0	21·19	− 0·21	+ 0·3
		21·15		
3072	8·5	20·92	− 0·20	− 0·3
3078	8·5	21·43	− 0·04	− 0·2
		21·34		
3080	9·0	21·95	− 0·23	+ 1·2
3085	9·0	20·90	− 0·37	− 0·3
3087	9·3	21·94	− 0·14	− 1·1
3092	8·5	20·95	− 0·19	+ 0·7
3093*	7·5	21·04	− 0·13	− 7·6
		20·99		
3095	9·0	21·73	− 0·30	− 0·7
3099	7·5	20·95	− 0·19	− 0·8
3100	8·5	20·89	− 0·03	− 0·2
3102	8·5	20·96	− 0·24	− 0·9
3110	7·5	20·94	− 0·44	+ 1·6
3114	9·0	21·91	− 0·04	− 1·1
3123	8·5	20·96	− 0·17	+ 0·5
3124	9·0	21·32	− 0·09	+ 1·2
3128	7·5	20·97	− 0·28	− 0·5
3129	8·5	21·89	− 0·13	− 0·4
3146	8·5	21·33	− 0·37	− 0·9
3150	9·3	20·69	− 0·45	+ 0·6
3152	8·0	21·17	− 0·31	+ 1·3
3153	7·5	21·19	− 0·25	+ 0·3
3167	9·0	20·90	− 0·42	− 2·5
3168	8·0	21·91	− 0·21	− 1·2
3172	8·0	20·98	− 0·16	− 2·6
3176	8·3	21·37	− 0·14	− 0·6
3177	9·0	21·70	− 0·33	− 1·6
3183	9·0	20·94	− 0·13	− 3·2
3185	9·0	21·94	− 0·25	+ 0·1
3188	9·0	21·95	− 0·08	− 1·1
3194	9·5	20·90	− 0·29	+ 1·2
3204	8 5	20·98	− 0 14	+ 1·9
3206	8·5	21·53	− 0·29	− 1·8
3209	8·5	21·70	− 0·04	+ 0·9
3212	8·8	21·90	− 0·12	− 0·7
3215	8·0	20·93	− 0·17	− 1·8
3219	9·0	21·38	− 0·18	+ 1·5
3221	8·9	21·92	− 0·28	− 0·9
3225	9·0	20·92	− 0·15	+ 1·0
3226	9·0	21·19	− 0·16	− 0·1
3229*	8·5	20·99	+ 0·23	− 1·1
3230	9·0	21·16	− 0·19	+ 1·6
3235	9·0	20·95	− 0·27	− 1·2
3238	8·0	20·96	+ 0·03	+ 2·4
3244	9·5	21·36	− 0·46	+ 1·1
3249	9·0	21·52	− 0·37	− 3·1
3250	7·5	21·62	− 0·11	− 1·8
		21·67		
3255	9·0	20·99	− 0·26	+ 0·3
3262	9·0	21·53	− 0·33	− 0·7
3263	8·5	21·18	− 0·19	− 0·5
3264	9·2	21·94	− 0·08	− 1·4
3273	9·0	21·19	− 0·25	− 1·6
3276	8·8	21·55	− 0·19	+ 1·8
3278	9·0	21·92	− 0·10	− 3·1
3279	8·5	21·65	− 0·19	0·0
3287	9·0	21·92	− 0·18	− 1·9
3288	8·5	21·54	− 0·16	− 0·9
3290	9·0	21·94	− 0·16	− 0·2
3291*	8·0	21·74	− 0·37	+ 3·0
3293	8·5	21·71	0·00	− 1·3
3294	9·5	21·62	− 0·36	− 2·2
3300	8·3	21·92	− 0·17	− 1·9
3303	9·0	21·43	− 0·20	− 1·7
3306	9·0	21·67	− 0·31	+ 1·3
3308	9·0	21·66	− 0·23	+ 1·6
3314	9·0	21·28	− 0·18	− 1·5
3319	8·0	21·36	− 0·31	− 1·4
3324	9·5	21·65	− 0·11	− 1·1
3326	9·0	21·46	− 0·32	− 0·5
3331	9·5	21·74	− 0·21	+ 0·3
3332	8·5	21·57	− 0·16	− 0·9
3334	8·0	21·14	− 0·14	+ 0·7
3340	9·0	20·92	− 0·13	− 3·8
3346	8·8	20·97	− 0·22	− 0·6
3348	9·0	21·94	− 0·22	0·0
3350	9·0	21·98	− 0·33	− 0·5
3354	8·5	21·97	− 0·38	− 0·6
3355	9·0	21·96	− 0·45	− 1·5
3359	8·5	20·94	− 0·12	− 0·2
3374	8·5	21·29	− 0·23	− 0·8
3377	8·5	20·97	+ 0·15	+ 0·7
3381*	8·5	21·35	+ 0·14	− 3·7
3383	8·5	21·92	− 0·16	− 1·7
3386	8·5	20·95	− 0·16	− 1·0
3389	8·5	22·13	− 0·17	− 1·4
3399	9·0	20·97	− 0·18	− 2·1
3400	8·3	21·58	− 0·28	− 1·4
3403	8·0	22·94	− 0·22	− 1·7
3404	9·0	21·94	− 0·20	+ 1·1
3405	8·5	21·96	+ 0·02	− 0·2
3407	9·0	20·98	+ 0·12	− 1·1
3413	9·5	21·41	− 0·24	− 0·9
3416	9·0	21·54	− 0·12	− 0·7
3417	8·5	22·13	− 0·25	+ 1·7
3418	8·5	21·55	− 0·34	+ 1·4
3423	8·3	22·38	− 0·13	− 0·8
3438	8·8	22·94	− 0·30	− 1·3
3439*	8·2	22·44	− 0·12	− 5·0
3440	9·0	21·96	− 0·06	− 1·3
3442	8·5	22·44	− 0·03	+ 0·7
3455	8·8	23·21	− 0·13	− 1·6
3456	8·5	21·38	− 0·07	+ 0·8
3471	8·5	22·54	− 0·21	− 1·1
3473	8·8	22·38	− 0·18	+ 0·5
3475	8·5	21·93	− 0·18	+ 0·2
3476	9·0	22·92	− 0·26	− 2·3
3478	9·0	23·94	+ 0·09	− 0·7
3484	8·5	21·21	+ 0 06	+ 0·1
3490	8·5	21·94	− 0·16	− 0·6
3495	8·0	22·45	− 0·24	− 0·5
3507	8·5	22·37	− 0·10	+ 1·1
3508	9·5	23·30	− 0·19	− 2·6
3510	8·0	21·92	− 0·09	− 1·6
3522	9·0	23·30	− 0·36	+ 0·4
3523	8·0	22·54	− 0·12	− 1·6
3535	9·0	22·91	− 0·09	− 1·2
3536	9·0	21·00	− 0·08	− 0·3
3537	9·3	22·35	− 0·14	− 0·6
		22·30		
3548	9·3	21·73	− 0·11	− 0·2
3551	8·0	23·68	− 0·25	− 0·7
3556*	8·3	21·99	− 0·60	+ 3·0
3570	9·0	23·31	− 0·21	− 3·4
3573	9·0	21·75	− 0·04	− 1·2
3578	8·0	21·96	− 0·02	− 0·8
3580	9·0	23·67	− 0·21	− 2·6
3581	9·0	23·41	− 0·13	− 2·0
3600	7·5	23·08	− 0·01	− 0·4
3605	9·3	22·97	− 0·07	− 0·9
3616	8·8	22·97	− 0·31	+ 0·4
3619	9·0	23·66	− 0·24	− 2·8
3622	9·6	23·59	− 0·15	− 2·7
3629	8·5	22·69	− 0·08	+ 0·6
3630	8·0	23·43	− 0·15	− 4·1
3636	8·5	22·44	− 0·08	+ 0·1
3646	7·3	22·90	− 0·28	− 1·9
3654	8·0	23·41	− 0·26	− 2·4
3657	9·5	23·35	− 0·16	− 1·0
3659	9·0	23·70	− 0·11	− 1·0
3667	9·0	22·71	− 0·16	− 0·1
3673*	9·3	22·98	− 0·26	+ 2·3
3676	8·5	22·85	− 0·21	0·0
3680	8·5	23·59	− 0·30	− 0·9
3696	9·5	23·13	− 0·07	− 0·1
3698	9·2	23·82	− 0·15	− 2·5
3699	8·5	22·94	− 0·18	− 0·2
3713	8·5	23·45	− 0·15	− 0·3
3719	8·5	23·10	− 0·20	− 1·8
3735	9·0	23·46	− 0·01	+ 0·9
3736	8·0	22·50	− 0·13	− 1·1
3745	8·0	23·61	− 0·07	− 2·1
3747	8·8	22·97	+ 0·05	− 0·5
3753	9·3	23·86	− 0·12	+ 0·7
3755	8·8	23·94	− 0·13	+ 0·8
3757	9·2	23·00	− 0·15	− 0·8
3768	8·0	22·85	− 0·15	− 0·6
3774	10·0	22·90	− 0·18	− 1·0
		22·92		
3778	7·0	22·86	− 0·13	− 1·3
3779*	8·8	23·83	− 0·17	− 3·9
3790	8·5	22·96	− 0·09	− 0·6
3797	8·5	23·07	− 0·14	− 1·2
3808	8·5	23·00	− 0·08	+ 0·2
3809	9·0	23·69	− 0·12	− 2·6
3816	8·8	23·15	− 0·11	− 1·4
3829	8·0	23·38	− 0·01	− 2·4

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	"			y	s	"			y	s	"
3831	8·5	23·62	− 0·18	− 2·4	4191	9·0	23·42	− 0·08	− 1·1	4491	8·5	21·55	− 0·11	− 1·6
3839	8·0	22·87	− 0·03	− 1·2	4193	9·0	23·01	− 0·08	− 1·2	4494	8·8	23·11	− 0·26	− 1·0
3842	9·0	23·41	− 0·18	− 0·9	4194	8·5	23·19	0·00	− 2·4	4495	8·5	23·16	+ 0 02	− 1·8
3844	9·0	22·31	− 0·30	− 0·4	4201	9·5	23·17	− 0·34	− 0·7	4505*	8·5	21·04	− 0·46	− 3·3
3846	8·3	23·87	− 0·19	− 3·5	4203	9·0	22·64	− 0·15	− 2·0	4507	9·0	23·32	− 0·24	− 3·1
3848	9·0	22·87	− 0·02	− 0·6	4204	9·4	23·90	− 0·23	− 3·6	4513	8·3	22·31	− 0·29	+ 0·1
3851	9·0	22·97	− 0·25	− 0·3	4205	9·3	23·90	− 0·11	− 2·1	4521	9·0	21·94	− 0·23	− 0·3
3855	9·0	22·89	− 0·21	− 2·4	4217	8·5	23·01	− 0·17	− 3·4	4525	9·0	22·17	− 0·27	− 0·8
3861	8·5	22·94	− 0·15	− 2·6	4222	8·8	23·89	− 0·12	− 1·5	4536	8·5	22·34	− 0·24	0·0
3865	9·0	23·45	− 0·13	− 0·3	4223*	8·0	23·09	− 1·55	+ 3·5	4538	9·0	21·92	− 0·27	− 2·2
3869*	8·5	23·36	− 0·17	− 4·5	4227*	9·0	22·85	− 0·71	− 2·3	4540*	9·0	22·87	− 0·72	− 1·4
3870*	9·3	23·01	− 0·29	+ 7·3	4230	8·6	23·70	− 0·26	− 1·4	4542	9·0	21·72	− 0·40	− 1·1
3880	8·5	23·31	− 0·07	− 2·6	4239*	9·7	23·90	− 0·26	− 5·6	4549	8·3	21·70	− 0·49	− 0·8
3891	9·0	23·39	− 0·15	− 0·6	4240	9·3	22·82	− 0·22	− 1·5	4550	8·5	21·76	− 0·38	− 3·3
3898	8·0	22·10	− 0·21	− 3·1	4241	9·5	23·18	+ 0·11	− 1·4	4558	8·0	22·18	− 0·51	− 0·9
3904	9·0	22·88	− 0·15	− 2·4	4245	9·5	22·12	− 0·22	+ 0·4	4563	9·0	21·24	− 0·29	+ 0·1
3908	9·0	23·86	− 0·21	− 2·3	4247	9·0	23·24	− 0·13	− 1·7	4566	8·0	21·36	− 0·39	+ 0·4
3917*	8·5	23·12	− 0·48	− 1·8	4255	8·9	24·07	− 0·18	− 2·3	4571	9·0	21·77	− 0·52	− 2·0
3933*	9·0	23·87	− 0·16	− 4·3	4259	8·5	22·99	− 0·05	− 0·7	4574	9·0	21·74	− 0·25	− 2·3
3941*	8·5	21·99	− 0·56	− 1·3	4272*	8·7	23·16	+ 0·37	− 4·3	4577	9·0	22·72	− 0·35	− 1·3
3951	8·3	22·41	− 0·09	− 2·0	4283	8·0	23·70	− 0 33	− 1·1	4579	9·3	21·95	− 0·39	+ 0·3
3969	9·3	22·08	− 0·10	− 2 6	4286	8·0	22·71	− 0·18	− 1·4	4584	9·5	21·78	− 0·22	− 0·4
3980	9·0	23·65	− 0·26	− 1·2	4295	8·0	23·21	− 0·11	− 1·2	4585*	9·5	21·74	− 0·45	+ 1·5
3982*	8·5	22·06	− 0·33	− 0·2	4304	7·8	23·04	− 0·09	− 0·4	4595*	9·0	24·10	− 0·18	− 4·7
3987	9·4	23·88	− 0·09	+ 0·3	4305	9·0	23·01	− 0·21	− 2·7	4598	9·3	21·71	− 0·28	− 3·6
					4306	8·0	22·95	− 0·11	− 0·9	4599	8·5	21·49	− 0·55	− 1·3
					4309	8·3	21·72	− 0·25	0·0	4605	8·8	22·72	− 0·48	− 2·1
			11h		4312	9·0	23·20	− 0·13	+ 0·5	4608	9·3	21·95	− 0·21	− 0·8
					4324	8·3	22·85	− 0·12	− 0·9	4623*	8·5	21·22	− 0·38	+ 1·2
3991	9·3	22·53	− 0·18	− 0·8	4327	7·5	22·94	− 0·28	− 1·4	4628	8·0	21·69	− 0·22	− 0·1
3996	9·0	22·99	0·00	− 1·5	4328	8·9	21·90	− 0·33	− 0·4	4631	9·0	21·50	− 0·14	− 0·3
4004*	7·5	23·18	+ 0·13	− 4·8	4336	8·8	21·57	− 0·10	− 1·5	4638	9·3	21·62	− 0·29	+ 0·3
4013	8·3	23·60	− 0·21	− 0·5	4337	8·5	21·03	− 0·08	− 0·1	4641	8·5	24·02	− 0·14	− 0·8
4020	8·5	22·98	− 0·09	− 2·1	4343	9·5	22·66	− 0·30	− 2·2	4643*	9·3	21·94	− 0·47	− 1·0
4022	9·5	23·01	+ 0·03	− 0·7	4348*	9·0	24·01	− 0·28	− 4·4	4649	8·5	22·60	− 0·18	− 2·2
4029	8·5	22·62	− 0·28	− 1·5	4352	8·0	22·14	− 0·18	− 1·5	4651	8·5	21·70	− 0·29	− 2·9
4035	8·0	22·28	− 0·17	− 1·4	4353	8·0	23·80	− 0·36	+ 0·8	4671	9·4	21·95	− 0·27	− 1·9
4037	8·8	23·87	− 0·16	− 2·3	4356*	8·3	24·02	+ 0·37	− 3·3	4679	9·0	21·95	− 0·51	− 1·3
4043	9·0	22·99	− 0·28	− 0·7	4359	7·9	22·43	− 0·21	− 0·9	4683	8·5	21·70	− 0·25	− 0·9
4051	9·3	23·00	− 0·18	+ 0·5						4689	8·5	23·80	− 0·44	− 3·1
4057	9·0	23·93	− 0·16	− 1·6						4696	8·0	22·56	− 0·36	− 0·1
4063	8·9	22·82	− 0·32	− 0·6				12h		4702	8·0	21·93	− 0·28	+ 1·5
4067	9·5	23·17	− 0·22	− 1·0						4709	8·5	21·05	− 0·24	− 2·5
4071*	8·1	23·88	− 0·55	− 2·6	4368	9·0	22·69	− 0·24	− 2·1	4712	9·3	22·41	− 0·24	− 1·6
4075	8·5	23·18	− 0·24	− 1·9	4369	8·5	22·63	− 0·20	− 0·3	4717	9·0	21·48	− 0·51	− 2·9
4077*	8·5	23·00	− 0·15	+ 1·4	4373*	8·3	23·94	− 0·12	+ 7·1	4726	9·0	23·58	− 0·23	− 3·4
4082	8·7	23·66	+ 0·01	− 0·3	4376*	9·4	22·81	− 0·42	− 2·7	4727	9·0	22·08	− 0·13	− 1·5
4084	8·4	23·88	+ 0·08	− 2·4	4382*	9·0	21·95	− 0·07	− 4·1					
4088	8·6	23·91	− 0·03	− 2·2	4384	8·3	22·16	− 0·08	− 0·4					
4090	9·5	22·79	− 0·17	− 2·2	4386	9·0	23·03	− 0·23	− 0·8				13h	
4100	9·4	23·88	− 0·38	− 2·7	4390	8·0	22·53	− 0·27	− 1·4					
4105	7·5	23·71	− 0·06	− 0·9	4392	9·4	21·58	− 0·20	0·0	4743	9·5	21·76	− 0·22	− 4·0
4109	9·0	22·63	− 0·10	− 0·5	4396	9·0	22·90	− 0·29	− 1·2	4746*	9·0	21·79	− 1·40	− 1·3
4110	8·5	23·63	− 0·04	− 1·5	4413	9·5	21·22	− 0·32	+ 1·1	4758*	9·0	21·98	− 0·21	− 3·0
4114	8·8	23·63	− 0·24	− 2·7	4417*	9·0	22·70	− 0·36	− 3·5	4764	8·5	22·87	− 0·12	− 1·2
4118	8·5	23·16	− 0·27	− 2·0	4419	9·0	21·42	− 0·35	− 0·8	4773	9·0	22·62	− 0·08	− 2·2
4124	8·5	22·81	− 0·15	− 1·2	4420	8·0	23·13	− 0·11	+ 0·3	4774	6·5	21·67	− 0·36	− 0·4
4132	9·0	23·00	− 0·12	− 2·3	4426	9·0	22·54	− 0·12	0·0	4785	8·5	21·07	− 0·31	− 3·5
4135	9·5	22·46	− 0·35	− 2·2	4430	9·5	24·10	− 0·13	− 2·4	4792	8·0	22·57	− 0·33	− 1·3
4141	8·6	23·87	− 0·29	− 3·9	4431	9·0	23·08	− 0·13	− 2·8	4793	8·0	21·49	− 0·25	− 1·4
4147	9·5	23·01	− 0·20	− 0·4	4447	8·3	22·01	− 0·31	− 2·0	4801	8·3	21·42	− 0·34	− 2·9
4153	8·3	23·14	− 0·05	− 0·8	4448*	8·5	24·04	+ 0·17	− 2·0	4813	9·0	21·40	− 0·29	− 2·0
4169	9·0	23·18	+ 0·03	− 0·8	4454*	8·5	22·50	− 0·34	− 3·5	4817	7·8	22·14	− 0·19	− 1·8
4171	8·1	23·92	− 0·16	− 2·5	4456	8·8	21·93	− 0·18	− 2·1	4818*	8·0	21·42	+ 0·07	− 1·0
4172	9·0	23·66	+ 0·02	− 2·3	4466	8·5	22·01	− 0·30	− 1·2	4820	9·0	23·10	− 0·23	− 2·0
4176	9·0	23·36	− 0·14	− 0·6	4473*	8·5	23·60	− 0·12	− 4·3	4826	8·5	21·42	− 0·07	+ 0·1
4180	7·5	22·25	+ 0·08	− 2·4	4476	9·5	20·77	− 0·13	− 0·8	4834	9·0	24·06	− 0·32	− 0·9
4181	9·0	23·89	− 0·07	− 1·1	4487*	10·0	23·14	− 0·98	+ 3·3	4835	9·0	21·08	− 0·26	− 1·9
4186	9·0	23·89	− 0·07	− 0·9	4489	9·0	21·48	− 0·18	− 1·5	4843	8·5	21·61	− 0·12	− 1·7

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

Cape 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″			y	s	″			y	s	″
4844	9·5	23·12	− 0·17	+ 0·1	5098	8·0	23·48	− 0·18	− 2·7	5420	9·0	23·80	− 0·27	− 2·5
4848	8·5	21·81	− 0·24	+ 1·1	5099	9·0	23·94	− 0·27	− 1·8	5428	8·5	22·01	− 0·28	− 0·9
4849	9·0	21·54	− 0·35	− 1·6	5105	8·0	22·97	− 0·09	− 2·0	5429*	9·4	23·94	+ 0·11	− 1·2
4853	8·8	24·13	− 0·20	− 1·0	5112	9·5	23·94	− 0·16	− 1·0	5431	9·5	23·06	− 0·21	− 2·4
4860	8·8	23·55	− 0·30	− 1·8	5114	9·5	23·03	− 0·01	− 0·8	5432	9·0	23·93	− 0·09	− 3·5
4861	9·0	22·00	− 0·23	− 1·4	5118*	9·5	23·90	− 0·41	+ 1·1	5436	8·5	23·02	− 0·12	− 3·6
4864*	9·0	23·71	+ 0·17	− 4·0	5122	8·5	23·37	− 0·36	− 2·1	5438	9·5	23·05	− 0·24	− 0·3
4866	8·0	21·44	− 0·12	− 2·4	5123*	9·0	23·95	− 0·39	− 3·3	5443	9·5	22·93	− 0·34	− 2·2
4867	9·5	24·03	− 0·46	+ 0·5	5136	9·5	23·04	− 0·32	− 1·8	5445	7·8	22·89	− 0·24	− 1·5
4871*	9·0	23·47	− 0·62	− 0·5	5137	9·5	23·92	− 0·20	− 0·4	5452	8·5	23·03	+ 0·03	− 4·0
4873	9·0	21·96	− 0·21	− 0·7	5144	9·0	23·04	− 0·14	− 1·2					
4879	8·0	21·28	− 0·31	+ 0·2	5149	8·3	23·51	− 0·34	− 2·7					
4884	9·0	21·95	− 0·02	− 0·2	5150	8·8	23·04	− 0·25	− 1·2				15h	
4885	8·0	23·11	− 0·06	− 3·4	5154*	9·5	23·56	− 0·57	− 2·9					
4886	8·0	21·56	− 0·20	− 1·1	5155	9·5	23·57	− 0·13	− 1·7	5453	8·7	22·23	− 0·15	− 0·9
4898	8·5	24·03	− 0·33	− 1·1	5156	8·0	23·55	− 0·39	− 1·6	5456	9·5	22·14	− 0·05	− 0·7
4902	9·0	21·78	− 0·18	− 2·8	5163	9·3	23·20	− 0·30	− 1·9	5458	8·8	22·94	− 0·06	− 2·0
4903	7·5	21·51	− 0·30	− 2·3	5169	10·0	23·93	− 0·15	− 2·3	5459	9·5	21·93	− 0·32	− 2·8
4904	8·0	23·93	− 0·16	− 1·8	5175	9·0	24·06	− 0·27	− 3·2	5460	9·5	21·39	− 0·32	− 0·5
4908	8·8	22·99	− 0·26	0·0	5181	9·5	23·40	− 0·24	− 2·1	5474	9·5	21·38	− 0·10	+ 0·8
4920	8·0	21·62	− 0·31	− 3·0	5189*	9·0	23·78	− 0·63	− 2·9	5475	9·0	22·60	− 0·37	− 2·1
4922*	9·8	23·81	− 0·64	− 0·6	5190	8·5	23·73	− 0·27	− 1·9	5479	8·8	22·01	− 0·10	− 2·3
4927	9·0	22·04	− 0·17	− 0·2	5198	9·5	23·74	− 0·16	− 3·1	5482	9·0	22·21	− 0·15	− 0·3
4935*	9·0	21·78	− 0·64	− 2·0	5209	9·5	23·77	− 0·19	− 1·5	5483	9·0	22·92	− 0·24	− 1·7
4936*	8·0	24·12	− 0·31	− 1·5	5211	8·5	23·14	− 0·40	− 3·2	5494	8·5	23·40	− 0·10	− 2·2
4937	9·0	21·55	− 0·45	− 2·7	5212	9·5	23·93	− 0·03	− 3·2	5495	8·0	21·72	− 0·21	− 0·6
4938	9·5	22·05	− 0·23	− 1·4	5219	9·0	23·53	− 0·32	− 1·3	5499	8·0	20·99	− 0·15	− 0·2
4943	9·0	21·64	− 0·40	+ 1·0	5222	9·0	23·23	− 0·14	− 3·3	5500	9·5	23·44	− 0·11	− 0·1
4945	9·0	24·02	− 0·56	− 2·2	5228	9·0	22·98	− 0·43	− 2·0	5506	8·0	21·40	− 0·29	− 1·9
4957	8·0	21·82	− 0·22	− 1·0	5229	9·5	23·13	− 0·45	− 1·7	5513	8·5	23·81	+ 0·04	− 2·1
4962	8·8	23·55	− 0·46	− 1·4	5232	8·5	23·66	− 0·16	− 1·4	5514	9·1	21·95	− 0·31	+ 0·9
4965	9·0	21·61	− 0·11	+ 0·9	5238*	8·8	23·90	− 0·56	− 1·5	5519	8·8	22·40	− 0·15	− 1·3
4966	8·0	21·82	− 0·11	− 0·9	5245	9·0	23·03	− 0·20	− 0·9	5522	9·3	23·81	− 0·12	− 2·4
4967	8·0	23·89	− 0·42	− 2·8	5252	9·5	22·98	− 0·41	− 1·9	5524	9·0	21·92	− 0·25	− 1·4
4969	8·5	21·45	− 0·21	0·0	5262	9·0	23·56	+ 0·04	+ 0·1	5533	8·3	23·96	− 0·05	− 2·4
4975	8·0	21·46	− 0·32	− 1·4	5265	8·5	23·90	− 0·17	− 3·3	5534	8·5	20·98	− 0·29	− 1·0
4980	9·3	21·81	− 0·44	− 0·1	5270	8·5	23·32	− 0·07	− 2·1	5537	9·0	21·04	− 0·19	− 1·2
4982	9·0	21·65	− 0·21	− 2·8	5277	8·5	23·52	− 0·18	− 1·9	5538	9·4	21·91	− 0·20	− 0·5
4983*	8·5	22·01	− 0·24	+ 0·8	5285	8·0	23·05	− 0·23	− 3·3	5546	8·0	21·96	− 0·14	− 1·0
4989	9·0	23·94	− 0·32	− 1·7	5286	9·1	23·55	− 0·31	− 2·1	5548	9·5	21·92	− 0·23	+ 0·4
4990*	9·0	24·13	− 0·43	− 4·8	5290	9·0	23·57	− 0·23	− 3·6	5558*	9·0	20·99	− 0·49	− 3·3
4991	8·8	24·12	− 0·07	− 3·0	5302	9·0	23·26	0·00	− 2·1	5562	9·5	21·37	− 0·15	− 1·1
5002	9·0	23·33	− 0·24	− 1·4	5305	9·5	24·04	− 0·27	− 1·8	5564	8·0	23·37	− 0·14	− 1·7
5007	9·0	24·02	− 0·29	− 2·1	5316	9·5	23·76	− 0·12	− 1·2	5565	9·0	21·71	− 0·07	− 1·6
5009	8·5	23·37	− 0 13	0·0	5319	9·0	23·47	− 0·29	+ 0·2	5570	8·5	21·34	− 0·15	0·0
5014	8·5	24·10	− 0·20	− 4·0	5324	9·3	23·96	− 0·13	− 2·3	5572	9·5	23·26	− 0·09	+ 0·4
5015	9·5	23·96	− 0·31	− 0·9	5325	9·5	23·59	− 0·19	+ 1·0	5578	9·0	21·24	− 0·19	− 0·6
5027	8·0	23·14	− 0·05	− 1·2	5331	8·5	23·58	− 0·21	− 1·6	5579	9·1	21·93	− 0·23	− 1·4
5034	9·1	23·85	− 0·39	− 2·4	5333	9·0	23·05	− 0·18	− 3·7	5580	8·5	23·80	− 0·20	− 1·5
5036	8·5	23·49	− 0·27	− 1·5	5338	8·5	23·38	− 0·26	+ 0·1	5582	8·5	21·18	− 0·26	− 0·2
5037	9·3	23·94	− 0·15	− 2·8	5339	9·0	23·59	− 0·24	− 3·5	5584	9·0	21·21	− 0·22	− 0·7
5038	8·5	23·74	− 0·12	− 1·0	5342	8·0	23·79	− 0·16	− 1·1	5592	9·0	23·06	− 0·12	− 3·4
5047	8·5	23·57	− 0·23	− 1·5	5348	9·5	23·23	− 0·19	− 1·6	5605	8·5	21·03	− 0·20	− 0·1
5051	9·5	23·13	− 0·26	− 1·2	5352	9·0	23·93	− 0·07	− 3·1	5609	8·8	23·91	− 0·04	− 0·9
5055*	9·0	23·01	− 0·45	− 0·4	5353	9·0	23·57	− 0·02	− 2·2	5613	8·5	21·02	− 0·24	− 1·6
5060	7·5	23·78	− 0·20	− 0·2	5373	9·0	26·26	− 0·25	− 1 8	5619	8·8	23·75	− 0·07	− 1·9
5062	9·3	23·93	− 0·38	− 0·8	5375	8·3	23·92	− 0·04	− 1·9	5621	8·5	21·54	− 0·27	− 1·7
5073	9·0	23·23	− 0·11	− 1·8	5377	9·8	23·96	− 0·19	− 3·0	5628	9·0	21·03	− 0·29	+ 0·1
5077	7·8	23·24	− 0·33	− 2·5	5380	8·0	23·06	− 0·08	− 4·2	5630	8·0	21·20	− 0·13	− 2·4
5081	9·0	23·41	− 0·36	− 3·0	5383	9·0	21·18	− 0·16	− 0·6	5633	8·7	21·76	− 0·02	+ 1·5
					5385*	7·8	23·28	− 0·42	− 4·7	5634	9·0	21·96	− 0·12	− 0·5
			14h		5387	8·0	23·73	− 0·12	− 0·8	5635	8·0	23·57	− 0·13	− 3·2
					5391	8·5	23·40	− 0·16	− 0·3	5639	9·3	23·41	− 0·20	− 2·9
					5395	8·0	23·82	− 0·12	− 2·6	5646	8·5	21·03	− 0·17	+ 0·4
5089	9·0	23·72	− 0·40	− 2·8	5397*	9·0	23·40	+ 0·03	+ 2·6	5658	8·5	21·01	− 0·16	− 0·4
5090	9·0	24·02	− 0·19	− 0·2	5400*	9·0	23·22	− 0·47	− 2·1	5660	8·0	23·91	+ 0·07	− 0·6
5095	8·0	23·54	− 0·20	− 2·2	5408	8·5	23·01	− 0·06	− 4·0	5663	8·5	21·93	− 0·22	+ 0·1
5096	9·0	23·63 23·55	− 0·22	− 1·5	5416	9·0	23·03	+ 0·03	− 0·5	5665	8·0	21·02	− 0·23	− 1·2
					5418	8·0	23·06	− 0·31	− 0·7	5673*	9·5	21·00	− 0·63	− 3·2

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
5676	9·0	21·06	− 0·33	+ 1·3
5680	9·0	21·77	− 0·12	− 1·9
5685	7·5	23·02	+ 0·04	− 0·5
5686	9·0	23·91	+ 0·09	− 1·7
5692	8·0	21·02	− 0·11	+ 0·4
5696	8·0	23·43	+ 0·02	− 1·1
5701	8·3	21·96	+ 0·11	− 1·4
5702*	8·5	21·56	− 0·45	− 4·1
5711	8·0	22·01	− 0·09	− 2·0
5712	8·5	22·06	− 0·22	− 2·1
5713	8·8	21·96	− 0·28	+ 0·2
5727	8·8	21·00	− 0·27	− 0·5
5731	8·1	21·71	− 0·10	− 0·8
5733	9·0	21·95	− 0·11	− 0·4
5734	8·0	21·45	− 0·20	+ 0·1
5737	9·0	23·94	− 0·05	− 1·2
5739	9·0	23·20	− 0·18	− 1·5
5741	9·3	21·25	− 0·08	− 1·5
5745	9·3	21·76	− 0·28	− 1·0
5755	8·5	21·60	0·00	− 1·5
5758	7·5	21·43	− 0·12	+ 0·4
5760	9·0	21·59	− 0·15	− 2·1
5764	9·5	23·59	− 0·27	− 0·1
5766	8·4	21·43	− 0·15	− 1·1
5768	8·5	21·41	− 0·20	− 2·6
5770*	8·0	21·41	− 0·62	− 5·0
5773	8·0	21·96	− 0·04	− 0·9
5778	9·5	23·94	− 0·16	− 1·0
5785	7·0	21·08	− 0·13	− 2·3
5789	9·5	21·43	− 0·25	− 0·3
5791	9·0	23·02	− 0·10	− 1·1
5803	8·0	21·02	− 0·08	− 1·5
5808	8·5	21·75	− 0·30	− 1·6
5810	9·3	23·77	− 0·08	− 4·1
5814	8·5	21·05	− 0·15	− 3·3
5815	9·5	21·09	− 0·21	− 2·1
5820	8·8	22·94	− 0·10	− 0·9
		16h		
5825	9·5	21·09	− 0·06	− 4·4
5828	8·8	21·78	− 0·15	− 1·1
5829	8·4	23·97	− 0·08	+ 0·3
5831	9·0	21·78	− 0·10	− 3·4
5833	9·0	21·08	− 0·12	− 1·5
5840	8·0	23·03	+ 0·14	− 2·0
5845*	9·0	21·02	− 0·38	− 2·7
5847	9·5	21·40	− 0·33	− 2·2
5849	8·0	21·09	− 0·12	− 2·4
5857*	7·5	23·04	+ 0·07	− 2·7
5859	9·3	21·09	− 0·14	− 0·8
5864	9·5	21·61	− 0·10	− 1·9
5867	9·5	21·95	− 0·23	− 1·3
5868	8·5	21·50 21·59	− 0·03	− 1·0
5875	10·0	23·77	− 0·05	− 3·1
5879	8·5	21·41	− 0·14	− 0·6
5881	9·0	23·77	− 0·04	− 2·1
5884	9·6	21·28	− 0·29	0·0
5889	9·0	21·44	− 0·24	− 2·5
5890	9·0	22·96	− 0·13	− 1·9
5895	9·0	21·04	+ 0·04	− 0·9
5900	9·0	21·43	− 0·14	− 3·1
5909	9·0	21·64	− 0·11	− 1·8
5910	9·3	22·02	− 0·30	− 1·5
5913	8·5	22·51	− 0·06	− 1·4
5923	9·0	21·08	− 0·14	− 0·9
5925	8·3	22·96	− 0·11	− 0·7
5928*	9·3	21·82	− 0·18	+ 5·4
5932	9·0	21·28	− 0·05	− 1·5
5938	8·0	23·51	+ 0·09	− 1·4
5941	8·5	21·09	− 0·03	− 1·0
5942	9·3	21·96	− 0·13	− 1·1
5947	8·5	22·95	− 0·13	− 2·7
5949	9·0	21·09	− 0·18	− 1·0
5950	9·3	21·64	− 0·07	− 2·2
5953*	9·5	21·27	− 0·36	− 1·5
5956	7·8	23·75 23·80	− 0·14	− 0·9
5963	7·5	21·21	− 0·15	− 0·3
5966	8·5	21·99	− 0·21	+ 0·5
5968	9·5	22·02	− 0·19	− 2·0
5969*	9·8	21·92	− 1·53	+14·8
5973	9·0	21·08	− 0·29	− 2·1
5984	9·0	23·08	− 0·05	− 1·9
5987	8·5	23·40	0·00	− 2·3
5991	8·5	21·27	− 0·02	− 0·2
5993	8·8	23·07	− 0·04	− 0·2
6003	8·8	22·03	− 0·14	− 1·5
6005	9·0	22·91	− 0·22	− 0·4
6006	9·5	23·99	− 0·02	− 2·4
6010	9·0	22·94	− 0·05	+ 0·8
6012	9·5	22·98 23·02	− 0·06	− 1·7
6013	9·0	23·95	− 0·07	− 0·8
6023	8·5	21·31 21·44	− 0·22	− 1·1
6024	8·0	22·91	− 0·13	− 0·5
6028	8·5	21·07	− 0·22	− 1·0
6033	8·0	23·94	− 0·01	− 0·9
6034	9·0	21·42	− 0·14	− 1·1
6038	9·0	22·96	− 0·27	+ 0·2
6040	9·0	23·48	+ 0·04	− 1·1
6045*	8·8	22·45 22·53	+ 0·14	− 2·3
6049	8·0	23·24	+ 0·03	− 2·2
6052	9·5	22·91	− 0·20	− 1·0
6058	8·0	21·97	− 0·03	+ 0·9
6060	8·0	21·02	− 0·08	− 2·2
6061	8·0	23·06	− 0·09	− 3·3
6067	8·5	22·88	0·00	− 1·4
6070	7·5	23·05	+ 0·04	− 2·0
6074	8·5	22·28	+ 0·01	− 0·5
6075	7·3	22·03	− 0·14	− 2·2
6079*	8·5	23·96	+ 0·03	− 0·8
6082	8·5	20·99	− 0·15	− 1·1
6084	8·0	21·23	+ 0·06	− 0·5
6085	8·5	23·99	− 0·07	− 0·7
6094	8·0	21·41	0·00	− 0·6
6112	8·5	22·41	− 0·14	− 1·6
6115	8·5	23·42	− 0·09	− 1·7
6117	8·0	22·96	− 0·02	+ 0·8
6119	9·0	24·05	− 0·11	− 2·7
6120	8·5	21·80	− 0·12	− 1·6
6124	8·5	21·19	− 0·18	− 1·4
6129	9·3	23·84	− 0·08	− 2·2
6130	8·0	23·90	− 0·10	+ 0·1
6135	8·0	23·31	− 0·10	− 1·4
6146	8·5	20·98	− 0·12	− 3·5
6147	8·8	23·65	− 0·02	− 1·6
6148	9·0	23·89	− 0·07	− 0·7
6155	8·5	20·97	− 0·16	− 1·5
6156	9·0	23·89	− 0·18	− 2·1
6164	8·5	23·20	− 0·07	+ 0·3
6166	8·8	21·93	− 0·10	− 1·3
6173	9·0	21·03	− 0·24	− 1·4
6183	9·0	23·36	− 0·08	− 2·5
6188	9·0	21·03	− 0·31	− 1·6
6192	8·0	22·73	− 0·07	− 0·9
6196	8·1	23·93	− 0·07	− 1·9
6198	9·3	23·62	− 0·10	− 1·5
6200	9·0	21·81	− 0·17	− 2·3
6202	9·0	22·35	− 0·18	− 1·9
6207	8·5	21·00	+ 0·03	+ 0·5
6213	8·0	22·99	− 0·07	− 1·0
6216	8·0	23·27	− 0·14	− 2·1
6223	8·0	22·91	− 0·04	− 2·6
6224	8·8	21·60	− 0·09	− 1·4
6225	9·3	23·92	− 0·22	− 1·9
6228	8·5	23·84	0·00	+ 0·6
6232*	9·5	22·94	− 0·23	− 3·8
6239	8·0	21·96	− 0·30	− 3·2
6245	8·5	22·96	− 0·09	− 0·4
6246	8·8	22·57	+ 0·10	− 1·6
6249	8·8	23·56	0·00	− 1·2
6250	9·0	23·87	− 0·17	− 2·3
6253	8·0	21·01	+ 0·03	− 2·6
6255	8·8	23·37	− 0·33	− 0·8
6259	8·5	22·57	− 0·19	− 1·5
6263	8·5	23·87	− 0·14	− 1·0
6272	8·5	22·87	− 0·18	− 1·1
6276	9·0	21·47	− 0·12	− 1·8
6277*	8·0	23·53	+ 0·70	− 0·1
6278	9·5	21·95	− 0·27	− 1·1
6281	8·0	21·99	− 0·10	− 1·5
6286	7·5	22·19	− 0·07	− 2·7
6295	8·0	22·99	− 0·03	− 0·7
6298	8·0	21·69	− 0·04	− 2·2
6304	8·5	21·07	− 0·08	− 2·9
6307	8·9	23·91	− 0·08	− 1·1
6308	8·5	21·06	− 0·14	− 0·4
6317	9·0	22·00	− 0·10	− 0·6
6326	9·5	22·93	+ 0·01	− 1·3
6335	8·0	23·57	− 0·18	+ 0·3
6336	8·5	22·92	− 0·03	− 1·8
6337	8·5	23·49	− 0·15	− 0·3
6339	9·1	23·56	− 0·19	− 1·9
6341	8·5	21·03	− 0·10	− 1·0
6347	8·5	23·21	− 0·04	− 1·9
6352	9·0	23·83	− 0·05	+ 0·7
6358*	7·5	22·85	− 0·44	− 5·3
6362	8·5	23·30	+ 0·03	− 2·5
6363	8·5	23·32	− 0·07	− 2·3
6366	8·3	22·71	− 0·08	− 0·3
6381	8·0	22·91	+ 0·10	− 2·9
6382*	8·5	22·04	− 0·16	−10·5
6394	7·5	22·91	− 0·12	− 2·5
6402*	8·8	23·02	+ 0·22	− 0·5
6404	7·5	22·98	− 0·01	− 2·1
6405	7·5	22·33	+ 0·08	− 2·5
6413	8·0	22·96	− 0·18	− 1·5
6429	8·9	23·84	− 0·18	− 3·1
6435	9·0	22·92	− 0·09	− 2·4
6443*	7·5	22·94	− 0·05	− 4·3
6446	8·5	23·09	− 0·18	− 1·3
6448	8·5	23·94	− 0·11	− 1·4
6449	8·0	23·94	− 0·03	− 1·5
6454	9·5	21·95	− 0·12	− 0·3
6458	7·8	22·08	− 0·10	− 0·9
6464	8·5	21·09	− 0·01	− 3·7
6474	8·3	22·09	0·00	− 0·8
6476	8·5	23·00	+ 0·05	− 2·4
6486	9·0	21·14	− 0·15	− 2·1

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
6490	9·0	22·74	− 0·19	− 0·6
6492	8·0	23·11	− 0·09	− 2·0
6502	9·0	22·42	− 0·11	− 0·2
6503	8·0	22·40	− 0·07	− 1·2
6504	9·0	23·87	− 0·08	− 2·0
6515	8·5	21·09	− 0·16	− 1·1
6516	8·5	23·74	− 0·07	− 0·8
		18h		
6533	9·5	23·20	− 0·19	− 2·3
6536	9·0	23·99	− 0·17	− 1·2
6541	8·3	22·00	− 0·03	− 3·1
6542	8·0	23·01	− 0·09	− 2·0
6543	9·0	23·78	+ 0·03	− 1·1
6549	8·5	23·17	− 0·10	− 1·8
6563	9·0	23·00	− 0·09	− 0·4
6571	8·8	23·02	− 0·18	− 0·2
6573	8·0	21·98	− 0·17	− 3·2
6579	8·0	22·98	− 0·03	− 2·3
6580	8·8	23·04	− 0·13	− 0·8
6582	8·8	22·04	− 0·19	− 2·0
6583	9·0	23·04	− 0·15	− 2·7
6597	9·0	23·03	− 0·19	− 0·7
6599	7·2	22·95	− 0·05	− 1·9
6609	9·5	23·01	− 0·23	− 0·4
6612	9·0	23·97	− 0·08	− 1·5
6622	8·0	23·25	− 0·22	− 1·9
6631	9·0	23·25	− 0·14	− 0·8
6637	8·5	21·47	+ 0·01	− 1·8
6640	8·8	22·99	− 0·30	− 1·4
6641	9·0	23·12	+ 0·04	− 1·9
6643	9·0	23·08	− 0·15	− 1·9
6647	8·5	23·13	+ 0·02	− 0·5
6648	8·0	25·19	− 0·25	− 1·5
6651	8·5	23·04	− 0·29	− 1·5
6662	8·5	22·97	+ 0·07	− 0·1
6670	9·0	23·04	− 0·12	− 1·5
6673	8·5	23·03	− 0·02	− 2·3
6687	9·0	22·98	− 0·13	− 2·9
6689	8·8	23·60	− 0·08	− 1·7
6694	8·0	23·97	− 0·22	− 1·0
6698	9·0	23·13	− 0·08	− 0·7
6704	9·5	22·99	− 0·12	− 2·3
6709	8·0	23·10	− 0·01	− 3·4
6710	9·0	23·08	− 0·10	− 1·2
6722	9·5	23·07	− 0·09	− 0·4
6725*	9·0	23·11	− 0·34	+ 1·8
6731	8·5	23·05	− 0·12	− 2·4
6733	9·0	23·03	− 0·12	− 2·4
6736	8·8	23·69	− 0·25	+ 0·5
6747*	8·0	23·36	+ 0·01	− 4·6
6759	8·0	23·00	− 0·06	− 0·5
6764	7·5	22·99	− 0·23	− 1·8
6779	8·0	23·03	− 0·04	− 0·3
6785	9·0	23·01	− 0·10	− 0·5
6791	9·0	23·08	− 0·10	− 1·0
6799	8·0	23·70	− 0·01	− 3·6
6802*	9·0	23·26	+ 0·05	− 4·0
6808	8·0	23·05	− 0·16	− 2·2
6812	8·5	23·25	− 0·12	+ 0·1
6813	9·0	23·61	− 0·11	+ 0·3
6820	8·0	23·16	− 0·14	− 1·6
6826	9·0	23·79	− 0·22	− 1·4
6836	8·5	23·61	+ 0·01	− 0·8
6844*	8·5	23·29	− 0·51	− 2·2
6847	9·3	23·97	+ 0·02	− 3·5
6860	9·0	24·06	− 0·21	− 2·5
6870	9·5	**19h** 23·07	− 0·22	− 0·7
6873	9·0	23·98	− 0·03	− 0·9
6877	9·5	23·68	− 0·14	− 2·2
6887	9·0	23·08	− 0·16	− 1·4
6895	8·0	23·03	− 0·15	− 2·7
6897	8·5	23·97	− 0·22	− 1·4
6898*	9·0	23·08	− 0·06	− 3·3
6899	9·5	23·29	− 0·21	− 3·0
6904	10·0	23·09	− 0·13	− 1·8
6905*	8·0	23·29	− 0·03	− 3·1
6913	10·0	23·04	− 0·33	− 1·9
6914	9·0	23·07	− 0·12	− 2·8
6919*	8·5	23·13	− 0·09	− 3·5
6920	9·0	23·44	− 0·14	− 0·8
6930	8·5	23·02	− 0·03	− 1·7
6931	9·0	23·29	+ 0·02	− 2·7
6932	8·5	24·07	− 0·12	− 0·8
6933	8·5	24·00	+ 0·10	− 2·0
6936	9·0	23·08	− 0·18	− 1·9
6937	7·5	23·45 23·55	− 0·08	− 1·0
6939	8·8	23·97	+ 0·04	− 2·4
6946*	9·0	23·15	− 0·17	− 3·7
6953	9·5	23·62	− 0·12	− 3·2
6959	9·0	23·27	− 0·17	− 2·3
6965	9·0	23·08	− 0·16	− 2·2
6967	9·0	23·50	− 0·16	− 2·9
6975	9·0	23·05	− 0·06	− 3·1
6978	8·0	23·29	− 0·11	− 2·7
6982	8·8	23·82 23·87	+ 0·01	− 0·9
6983	9·0	23·80	− 0·05	− 1·7
6984*	9·3	23·63	− 0·35	− 2·5
6990	8·0	23·72 23·76	− 0·10	− 1·8
6991	9·0	23·61	− 0·13	− 0·6
6996	9·0	23·17	+ 0·01	− 2·4
6999	9·1	23·97	− 0·08	− 1·6
7019	9·0	23·09	+ 0·03	− 1·0
7022	8·0	23·61	− 0·07	− 0·8
7023	9·4	24·00	− 0·24	− 1·0
7025*	9·0	23·89	− 0·30	− 3·1
7027	9·0	23·05	− 0·26	− 1·6
7030	9·5	23·09	+ 0·08	− 2·3
7047	9·0	23·54	− 0·19	− 1·0
7049	9·0	23·80	− 0·14	− 0·3
7050	8·5	24·43	+ 0·04	− 0·6
7052	8·5	23·61	− 0·06	− 1·9
7057*	8·5	23·80	− 0·33	− 1·1
7058	8·3	24·04	+ 0·11	− 0·8
7062	8·5	24·02	− 0·15	− 1·1
7073*	8·5	23·29	− 0·36	− 1·8
7082*	9·0	24·04	− 0·04	− 1·1
7083	9·0	24·44	+ 0·11	− 0·7
7092*	8·5	24·09	− 0·16	− 3·7
7094*	8·0	24·89	+ 0·39	− 1·7
7108	9·0	24·07	− 0·20	− 2·1
7112	8·5	23·91	− 0·02	− 1·2
7116	9·0	24·45	+ 0·06	− 1·3
7124*	9·5	23·91	+ 0·27	+ 0·8
7126	8·3	24·48	− 0·13	− 0·5
7139	9·5	24·90	+ 0·06	+ 1·7
7142	9·3	23·27	− 0·32	− 0·8
7144	9·0	23·64	+ 0·06	− 2·0
7148	8·0	23·51	− 0·10	− 2·0
7158	9·0	24·14	+ 0·06	+ 0·1
7166	8·0	24·88	− 0·09	+ 1·4
7168	9·0	24·14	+ 0·09	− 0·5
7172	9·0	**19h** 24·87	+ 0·07	− 1·6
7185	8·5	23·92	− 0·05	− 1·4
7187	8·5	23·49	− 0·35	− 2·2
7189	9·5	24·87	+ 0·06	+ 0·3
7195	9·5	23·95	+ 0·14	− 0·1
7197*	9·0	24·02	− 0·49	− 8·0
7201	8·3	24·70	+ 0·01	+ 0·1
		20h		
7203	9·5	24·69	+ 0·05	+ 0·8
7207	9·0	23·63	− 0·12	− 2·2
7218	9·0	23·09	− 0·26	− 0·4
7220	8·5	24·32	− 0·10	− 0·4
7223*	8·6	24·68	+ 0·39	− 0·1
7233	9·5	24·14	+ 0·21	+ 1·3
7240	9·0	24·10	+ 0·07	+ 0·7
7251	8·4	24·68	− 0·02	− 1·3
7253	9·0	23·99	− 0·13	− 1·7
7273	9·1	24·91	− 0·25	− 0·6
7280	9·5	23·99	+ 0·20	− 1·5
7294	8·5	23·79	+ 0·05	− 1·2
7300	8·3	24·75	+ 0·11	− 1·1
7304*	8·5	23·09	− 0·37	− 2·4
7313*	8·5	23·67	+ 0·26	− 3·5
7319	8·8	24·80	+ 0·07	+ 0·7
7320	8·0	24·93	+ 0·05	− 0·1
7323	10·0	24·69	− 0·02	0·0
7331	9·0	23·31	− 0·09	− 2·2
7345	9·0	24·15	+ 0·06	− 2·0
7351*	8·0	24·02	− 0·41	− 1·5
7356	9·0	24·34	− 0·10	− 0·5
7366	9·0	24·00	0·00	− 0·4
7368	8·0	24·02	− 0·24	− 2·5
7378	9·0	23·97	+ 0·06	− 0·6
7381	8·5	23·69	− 0·07	− 1·6
7386	9·5	23·96	+ 0·09	− 1·6
7388	9·0	23·99	0·00	+ 0·1
7389	8·5	24·89	+ 0·18	− 0·5
7392*	9·0	23·97	− 0·04	− 6·7
7396	9·5	24·90	+ 0·06	− 0·7
7405	9·0	25·52	− 0·06	− 1·3
7409	9·0	24·20	− 0·03	− 2·4
7411	9·0	24·74	+ 0·18	− 0·1
7413	8·0	23·94	− 0·03	− 1·5
7422*	8·5	23·94	+ 0·14	− 3·0
7424*	9·0	24·07	− 0·17	− 6·6
7429	9·0	23·16	− 0·28	− 2·6
7432	9·3	23·55	− 0·24	− 2·0
7439	9·0	24·35	+ 0·07	− 2·6
7444*	7·5	23·95	+ 0·12	− 3·9
7446	7·0	24·05	− 0·22	− 1·2
7453	8·1	24·53	+ 0·07	+ 0·6
7457	8·6	24·34	− 0·01	− 0·9
7459*	9·3	24·90	− 0·12	− 11·9
7460	8·5	23·69	− 0·19	0·0
7469	9·5	23·66	− 0·13	− 0·4
7472	8·8	24·07	+ 0·10	− 0·7
7483	9·0	24·88	− 0·17	− 2·9
7494	9·5	24·89	+ 0·13	− 1·6
7497	9·0	23·97 23·98	− 0·14	− 0·2
7506	9·0	24·00	− 0·18	− 2·3
7512	8·3	24·92	+ 0·03	− 1·2
7513	8·3	24·89	− 0·12	+ 0·6
7515	8·5	23·67	+ 0·09	− 1·9
7522	7·8	23·43	+ 0·08	− 1·8
7530	8·8	24·34	+ 0·08	+ 0·7
7534	9·2	24·94	+ 0·12	− 1·3

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −40° TO −44°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
			21h	
		y	s	″
7549	8·5	22·96	− 0·06	− 1·4
7552	9·5	24·55	− 0·04	− 1·3
7557*	8·5	23·99	+ 0·23	− 1·2
7558*	9·0	22·67	− 0·30	+ 0·8
7566	7·0	24·55	+ 0·03	− 3·4
7568	9·5	24·91	+ 0·03	− 1·8
7578*	8·5	22·98	+ 0·08	− 5·7
7584	9·0	23·85	− 0·10	− 0·3
7585	9·0	24·38	− 0·06	− 1·2
7588	8·0	24·94	+ 0·01	− 1·9
7589	8·0	24·92	+ 0·14	− 0·3
7590	8·0	23·70	− 0·03	− 1·5
7599	9·0	23·68	− 0·01	0·0
7603	9·0	23·69	− 0·08	− 1·6
7620	8·3	24·19	+ 0·15	− 3·0
7624	8·0	24·73	− 0·20	− 2·3
7628	8·0	24·48	− 0·05	− 0·3
7629	8·0	24·52	+ 0·04	− 3·3
7631	8·0	24·34	− 0·15	− 2·7
7636*	9·0	22·93	− 0·37	− 3·9
7637	7·0	24·00	+ 0·07	0·0
7641	7·5	24·00	+ 0·03	− 2·2
7647	8·3	23·83	− 0·06	− 0·1
7653	8·5	23·42	+ 0·02	− 0·9
7660	8·3	24·14	− 0·17	− 0·1
7669	9·3	23·44	− 0·11	− 0·9
7674	9·0	23·31	+ 0·11	− 3·1
7676	9·0	23·34	+ 0·04	− 2·9
7678	9·0	23·85	+ 0·03	− 1·9
7691*	8·5	24·57	− 0·10	− 6·3
7692	9·6	24·94	− 0·13	− 2·7
7694	9·4	24·12	+ 0·04	− 2·1
7706	9·0	23·21 23·33	− 0·11	− 3·5
7710	8·5	23·91	− 0·17	− 1·1
7711	7·5	24·24	− 0·03	− 1·0
7715	9·0	23·50 23·58	− 0·01	− 3·1
7733*	9·0	23·97	− 0·49	− 0·6
7741	9·3	23·81	+ 0·02	− 3·1
7745	9·0	23·70	− 0·06	− 3·8
7758	8·0	23·47	− 0·05	− 0·7
7760	8·3	24·12 24·16	− 0·03	− 0·5
7769	8·5	23·50	+ 0·05	− 1·9
7773	8·5	24·58	− 0·27	− 0·1
7776	9·5	23·24	− 0·04	− 0·7
7784*	8·8	23·64	+ 0·21	− 10·5
7790	9·0	23·17	− 0·23	− 1·2
7795	8·0	23·96	− 0·08	− 1·4
7800	8·5	23·99	+ 0·07	− 1·0
7802	9·3	23·97	− 0·11	− 2·2
7806	9·0	23·70	− 0·16	− 1·5
7807	8·5	24·29	− 0·03	− 1·6
7811	9·0	24·51	− 0·01	− 1·1
7813	8·5	23·92	− 0·07	− 1·8
7816	8·5	24·51	− 0·16	− 0·8
7819	8·9	23·44	− 0·08	− 0·2
7820	8·0	24·22	− 0·02	− 1·9
7822	8·3	23·75	+ 0·03	− 2·4
7827	9·1	24·40	− 0·20	− 1·5
7829	9·5	23·99	− 0·12	− 2·5
7838	8·5	24·00	− 0·18	− 2·3
7840	8·0	24·34	+ 0·05	− 2·8
7846	8·5	23·17	− 0·17	− 1·2
7851	8·0	24·09	+ 0·03	− 1·9
7859	9·0	23·52	− 0·27	− 2·2
7864	9·3	23·97	− 0·18	− 0·3
7866	8·0	23·90	− 0·12	− 2·3
7869	8·0	23·93	− 0·04	− 1·0
7872	8·5	24·92	+ 0·06	− 0·9
7875*	8·5	24·91	+ 0·13	− 3·6
7879	8·5	23·35	− 0·23	− 2·9
			22h	
7888	9·0	23·41	− 0·17	− 0·6
7889	8·5	24·74	− 0·05	+ 0·3
7892	7·5	24·22	+ 0·02	− 2·5
7893	8·5	23·88	− 0·09	− 0·5
7902	8·0	23·47	+ 0·21	− 3·4
7909	8·5	24·01	− 0·05	− 1·4
7921	8·8	24·75	− 0·09	− 1·6
7923	8·3	24·75	+ 0·03	− 2·9
7929*	8·5	23·52	+ 0·15	− 3·2
7943	9·5	24·04	+ 0·02	− 0·9
7954	8·0	24·38	+ 0·05	− 2·4
7956	8·3	23·88	+ 0·01	− 2·4
7958*	9·5	24·94	− 0·34	− 1·8
7961*	8·9	24·97	+ 0·28	+ 1·1
7968*	9·0	24·76	+ 0·27	+ 1·4
7973	9·3	24·38	− 0·01	− 1·7
7976*	8·7	24·24	+ 0·06	− 6·5
7982	8·0	24·90	+ 0·04	− 0·2
7990	9·5	24·76	− 0·04	− 0·6
8002	9·8	24·24	− 0·05	− 2·6
8003	8·0	23·98	+ 0·19	− 0·8
8027	9·0	24·08	− 0·07	− 1·5
8031	8·0	24·17	− 0·06	− 1·1
8033	8·0	24·06	− 0·02	− 2·9
8036	8·0	22·98	− 0·12	− 0·3
8042	9·0	23·94	− 0·06	− 3·0
8044	9·0	24·28	+ 0·16	+ 1·5
8048	8·5	23·91	0·00	− 0·9
8053	10·0	23·89	− 0·17	− 0·7
8054*	9·0	23·85	0·00	− 4·6
8055	9·0	25·01	− 0·06	− 0·6
8064	9·0	24·93	− 0·10	− 0·5
8071	7·8	23·46	+ 0·05	− 1·0
8079	8·5	23·18	− 0·29	− 0·4
8095	9·1	24·00	− 0·09	− 2·7
8098	7·8	24·27	+ 0·01	− 1·7
8102*	8·5	23·78	+ 0·12	− 4·0
8115*	9·5	23·88	− 0·63	− 2·5
8118	9·3	24·31	+ 0·04	− 2·1
8124	9·6	23·90	− 0·08	− 0·1
8131	8·0	23·58	+ 0·05	− 2·8
8144*	9·1	24·98	− 0·17	− 3·8
8146	9·5	23·72	− 0·03	− 0·9
8152	8·3	23·49	− 0·20	− 0·2
8153	8·9	24·80	− 0·08	+ 0·6
8162	8·0	23·99	− 0·20	+ 2·3
8167	8·5	24·41	+ 0·01	− 1·8
8173	8·5	24·37	− 0·05	− 1·0
8183	8·5	24·01	+ 0·24	− 0·8
8186	9·0	24·61	− 0·02	− 2·8
8199	9·0	23·66	− 0·01	+ 0·2
8207	9·0	24·08	0·00	− 2·2
8216	9·6	24·89	− 0·24	− 0·1
8217	9·2	23·88	− 0·10	− 0·3
8219	9·5	24·90	+ 0·06	− 1·3
			23h	
8232	9·0	24·08	+ 0·07	− 1·1
8238	9·5	22·99	− 0·08	− 3·5
8244	9·0	25·01	+ 0·17	− 0·5
8250	9·0	24·42	+ 0·16	− 2·0
8259	9·8	24·03	− 0·08	− 0·6
8264	9·0	24·07	− 0·10	− 0·8
8266	9·0	24·35	− 0·27	+ 0·2
8269	9·5	24·08	− 0·17	− 2·4
8276	9·0	24·01	− 0·02	+ 1·3
8277	9·2	23·88	+ 0·11	− 3·1
8280	9·3	23·92	+ 0·05	− 0·6
8282*	9·5	24·62	+ 0·07	− 4·0
8287	8·8	23·90	+ 0·06	− 1·1
8309	8·3	24·22	− 0·04	− 0·1
8312	8·5	24·04	+ 0·10	+ 0·1
8318*	9·0	24·28	+ 0·25	− 4·7
8324	9·1	24·40	− 0·15	− 1·2
8331	8·8	23·51	− 0·11	+ 0·3
8343	9·0	24·27	− 0·09	− 2·3
8344	8·5	24·23	− 0·10	− 1·0
8350*	9·0	24·02	+ 0·30	− 2·8
8355	9·0	24·46	− 0·06	− 2·4
8360	9·0	24·02	− 0·18	− 0·9
8373	9·0	24·07	− 0·10	− 0·3
8386	8·5	24·00	− 0·06	− 1·3
8392	9·5	24·12	− 0·24	− 3·1
8395*	9·0	24·67	+ 0·05	− 3·9
8398	8·4	24·77	+ 0·05	− 0·4
8400	9·1	24·37	− 0·28	− 0·6
8415	8·3	23·50	− 0·05	− 1·5
8417	8·5	24·21	+ 0·15	− 1·5
8421	9·0	24·41	− 0·16	− 1·9
8423	9·3	24·45	− 0·09	− 0·7
8435	9·5	23·53	+ 0·19	− 1·1
8441	7·5	23·74	− 0·04	+ 0·1
8449	8·0	23·66	− 0·03	− 2·0
8453	9·2	24·98	+ 0·08	+ 0·6
8456	8·5	24·01	+ 0·01	− 0·7
8470	8·5	24·20	+ 0·02	− 0·1
8472	9·1	24·98	+ 0·02	− 2·8
8491*	9·0	24·07	− 0·08	− 3·9
8492	9·5	23·90	− 0·10	− 1·4
8493	9·1	24·92	+ 0·10	− 2·2
8501	9·0	23·00	− 0·11	− 1·6
8503	8·6	24·94	+ 0·22	− 0·3
8504	8·8	25·03	+ 0·08	+ 0·6
8505	8·3	24·24	+ 0·03	+ 2·4
8509	8·0	23·50	+ 0·32	− 2·2
8513	9·0	23·88	− 0·02	− 0·8
8517	8·8	24·74	+ 0·13	− 0·7
8520	9·5	24·07	− 0·22	− 2·1
8528*	9·5	24·49	− 0·13	− 4·7
8538	8·5	24·10	− 0·12	− 0·9
8541	9·1	23·97	+ 0·14	− 0·5
8550	8·5	24·20	+ 0·07	− 1·6
8551	8·5	24·51 24·55	+ 0·02	− 1·5
8558	9·3	24·59	+ 0·06	+ 0·6

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE, 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
			0h	
		y	s	″
10	7·8	25·82	0·00	0·0
15	8·5	23 42	− 0·03	− 0·7
17	9·0	26·88	− 0·04	− 1·4
20	8·0	23·30	+ 0·17	− 1·7
26	9·2	23·43	− 0·21	− 1·3
31	9·0	25·81	+ 0·15	− 1·4
57	8·8	23·40	− 0·22	− 1 1
62	7·8	24·19	− 0·13	− 1·7
70*	8·0	25·88	+ 1·05	− 0·7
74	8·8	25·75	− 0·02	− 0·9
79*	9·5	25·94	− 0·33	− 3·3
81	9·1	25·74	+ 0·03	− 1·7
93	9·1	23·26	+ 0·28	− 0·9
94	9·0	25·88	− 0·16	− 0·1
100	9·1	25·79	− 0·25	− 0·9
101	9·3	25·73	+ 0·08	− 0·8
108	9·5	20·91	− 0·21	− 1·7
109	9·4	25·74	− 0·20	− 0·3
113*	9·4	25·78	+ 0·34	− 2·0
116	9·3	23·42	− 0·22	− 2·4
127	9·5	20·82	− 0·16	0·0
133	8·5	25·75	+ 0·28	− 0·9
136	8·9	25·88	+ 0·05	− 0·1
137	8·3	25·87	− 0·18	+ 0·6
139	8·9	25·78	+ 0·25	− 1·2
140	9·1	23·45	− 0·13	+ 0·2
145*	8·8	25·93	− 0·33	− 3·8
158	7·0	24·11	− 0·11	− 0·9
162	8·3	25·92	+ 0·09	− 1·5
172	9·3	25·69	+ 0·20	− 1·0
181	8·5	24·12	− 0·21	− 2·8
183	8·9	25·92	+ 0·08	− 1·3
188	8·9	25·88	− 0·04	− 1·2
198	8·6	25·99	− 0·07	+ 1·3
208	8·5	25·88	+ 0·07	+ 2·2
209	8 3	25·71	− 0·19	− 1·5
216	7·7	25·90	− 0·10	− 2·2
222	8·6	25·77	+ 0·23	− 2·7
227	8·5	25·77	+ 0·15	+ 0·4
236*	8·5	25·69	+ 0·54	− 1·0
242	8·3	25·69	+ 0·06	− 0·2
250	9·0	25·78	− 0·13	− 2·9
255	8·5	25·84	+ 0·20	− 2·3
259	9·3	25·90	− 0·07	− 1·8
266	8·5	25·88	+ 0·02	− 1·3
272	9·4	26·10	+ 0·03	− 2·8
277	7·9	25·70	− 0·06	− 1·4
285	7·6	25·82	− 0·01	− 1·4
287	8·0	25·94	− 0·03	− 0·8
292*	9·6	25·96	− 0·36	− 2·7
294	8·0	26·00	+ 0·02	− 1·2
300	8·9	25·84	+ 0·09	− 2·5
310	9·0	25·97	− 0·20	− 1·5
313	9·3	25·90	− 0·06	− 1·9
314	8 5	25·83	+ 0·07	− 0·4
317	9·0	25·90	+ 0·12	− 1·1
324	8·0	25·79	− 0·13	− 1·0
326	7·9	25·87	+ 0·21	+ 0·7
329*	7·6	26·16	− 0·27	− 5·1
332*	9·0	25·91	+ 0·37	− 2·4
337	9·5	25·88	0·00	− 1·7
			1h	
340	8·6	25·92	− 0·07	− 1·3
350	8·4	25·92	− 0·13	− 1·0
356	8·3	25·82	+ 0·06	− 0·9
358	9·2	26·08	+ 0·15	− 0·4
359	9·3	25·96	− 0·03	− 1·9
368	8·6	25·94	+ 0·08	− 2·2
370	9·2	25·95	+ 0·04	+ 0·6
380	9·0	26·09	− 0·23	− 1·6
382*	9·5	26·13	− 0·26	− 5·5
395	9·5	25·82	− 0·14	− 0·2
399	8·3	26·12	+ 0·17	− 1·7
403	9·0	26·05	− 0·33	− 2·2
406	9·1	25·87	+ 0·07	− 0·5
409	8·2	25·99	− 0·06	− 0·9
416	8·6	25·95	− 0·06	− 0·6
422	8·1	26·15	− 0·10	− 1·9
423*	8·5	25·90	+ 0·02	− 6·2
427	7·4	26·19	− 0·18	− 2·4
429	9·3	26·03	− 0·12	− 0·5
432	8·9	26·01	− 0·04	+ 0·3
441*	8·9	26·10	− 0·39	− 2 2
465*	9·6	25·85	− 0·32	− 3·6
475	9·3	26·06	+ 0·09	− 0·6
482	9·3	26·03	− 0·08	− 2·1
486	8·3	25·82	+ 0·17	− 1·2
492	8·5	25·93	− 0·10	− 0·1
495*	8·4	26·12	− 0·42	+ 2·6
498	8·6	25·76	+ 0·06	− 0·3
501	9·3	25·89	− 0·03	− 0·1
515	8·7	26·04	− 0·15	+ 0·1
520	8·3	25·99	− 0·23	− 2·7
529	8·3	26·06	+ 0·11	− 1·0
531*	8·9	26·12	− 0·25	− 4·0
536	8·8	25·93	+ 0·05	+ 0·8
538	9·4	25·87	+ 0·05	+ 0·8
540*	9·1	26·03	− 0·49	− 0·4
547	9·4	26·10	− 0·34	− 2·7
550	9·3	25·85	− 0·07	− 1·0
554	9·0	25·95	+ 0·14	− 0·6
559	8·5	25·94	+ 0·01	− 1·4
562	8·5	26·06	− 0·01	− 0·9
563*	9·2	26·00	− 0·50	− 3·2
576	7·9	25·91	+ 0·07	− 0·8
583	8·0	26·00	+ 0·02	− 0·4
584	9·2	25·94	− 0·04	− 1·2
589	8·9	25·82	− 0·11	− 0·5
595	8·8	26·04	− 0·28	− 2·0
599	9·2	25·96	+ 0·12	+ 0·4
610	8·0	26·07	+ 0·10	− 0·5
614	9·4	25·86	+ 0·01	− 0·8
619	9·4	25·92	+ 0·06	− 0·3
624	8·8	26·04	− 0·01	− 0·7
636	9·6	26·04	− 0·04	− 1·2
637	9·2	25·92	+ 0·20	+ 0·2
638	8·3	26·00	+ 0·04	− 0·4
644	8·7	25·91	− 0·18	− 0·4
662	9·3	25·86	− 0·01	− 1·0
665	8·5	25·80	+ 0·04	− 0·6
			2h	
666*	9·1	25·96	+ 0·18	+ 3·2
677	9·6	25·92	− 0·13	− 0·1
680	9·0	26·03	− 0·22	− 2·0
686	9·4	25·89	+ 0·09	− 1·5
690	8·8	25·90	− 0·26	+ 0·1
700	8·3	25·96	− 0·30	− 0·8
706	8·5	25·98	+ 0·25	+ 0·5
713	8·1	25·98	− 0·11	0·0
721	8·5	25·91	− 0·10	− 1·6
725	8·6	25·99	+ 0·14	+ 0·3
730	8·8	25·91	− 0·15	− 2·7
734	9·3	25·93	− 0·24	− 1·1
742	8·8	26·01	− 0·03	− 1·7
744	8·9	25·91	− 0·09	− 2·6
747*	9·0	25·97	− 0·35	− 1·6
755	8·1	25·94	+ 0·13	+ 2·3
760	9·3	25·97	− 0·15	+ 0·8
763*	9·5	26·02	− 0·44	− 2·5
769	9·2	25·97	− 0·17	− 1·0
775	9·0	26·02	− 0·02	− 1·1
776	9·1	25·90	− 0·20	0·0
779	8·8	25·95	+ 0·09	+ 0·4
790	9·3	25·95	− 0·20	+ 0·9
791	8·8	26·01	+ 0·14	− 1·1
800	8·6	26·01	+ 0·17	− 1·1
801*	9·5	25·46	+ 0·20	+ 1·2
803	8·8	25·47	+ 0·02	− 0·3
810	9·8	25·89	− 0·26	+ 0·4
817	8·3	25·92	− 0·18	+ 0·5
835*	9·3	25·73	− 0·13	+ 1·4
837*	8·8	25·44	+ 0·08	− 8·3
848	9·3	25·94	+ 0·01	+ 2·3
855	8·8	25·93	− 0·22	− 0·6
861	8·3	24·95	− 0·10	− 1 4
872	9·0	25·97	+ 0·15	− 0·2
879	7·9	25·89	+ 0·06	+ 0·9
881	9·1	25·47	− 0·01	− 0·9
883	9·3	25·99	+ 0·01	− 0·1
891*	9·1	25·95	+ 0·01	−12·9
898	8·3	25·99	+ 0·14	− 2·1
907	8·5	26·01	+ 0·05	− 1·1
908	9·1	25·98	+ 0·09	+ 0·1
919	9·0	24·93	− 0·10	− 0·6
924*	9·3	25·92	− 0·31	− 1·5
937	9·3	25·92	− 0·07	+ 0·3
942	9·3	25·97	− 0·04	− 0·4
947	9·3	25·45	+ 0·18	− 1·9
957*	8·9	26·01	− 0·11	− 2·6
966	9·0	25·89	− 0·14	+ 2·0
967	8·6	25·97	− 0·23	− 0·9
969	8·7	25·69	+ 0·19	− 0·6
975	9·1	25·95	− 0·20	− 0·5
983	8·0	25·62	+ 0·32	+ 0·6
986	8·0	25·99	0·00	− 1·6
994	9·2	25·44	+ 0·14	− 0·3
997*	8·8	26·03	− 0·36	− 1·0
			3h	
1006	9·2	26·01	− 0·11	+ 1·9
1012	9·2	24·93	− 0·07	− 1·1
1021	9·2	25·12	− 0·06	+ 1·7
1023*	8·4	25·95	− 0·10	− 3·4
1027	9·0	25·98	+ 0·21	− 2·5
1028	8 6	25·44	− 0·08	− 0·6
1030	8·2	25·73	+ 0·19	− 1·6
1033	8·5	25·98	− 0·19	− 1·8
1037	8·7	24·95	+ 0·03	− 1·3
1041	9·4	25·69	− 0·05	+ 0·2
1050	9·5	25·99	+ 0·03	− 1·5
1058	8·0	25·69	+ 0·02	+ 1·7
1059	8·4	25·94	− 0·07	+ 2·3
1072	8·9	25·97	− 0·15	− 1·5
1080	8·7	25·99	+ 0·03	+ 0·4
1088	8·7	25·99	+ 0·15	+ 2·1
1091	8·9	25·99	+ 0·19	− 0·6
1095	8·3	25·69	− 0·15	+ 0·2

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	"			y	s	"			y	s	"
1105	8·0	25·93	− 0·04	− 1·6	1448	7·8	25·88	− 0·11	− 0·2	1822	9·0	24·08	− 0·24	+ 0·5
1110	8·3	25·95	0·00	− 0·4	1452*	9·3	24·90	+ 0·17	+ 2·7	1836	9·1	25·06	− 0·05	0·0
1118*	7·8	25·70	+ 0·29	+ 0·3	1458	8·6	25·63	− 0·05	+ 0·7	1845	9·2	24·95	+ 0·10	+ 3·3
1120	8·3	25·99	0·00	− 0·2	1460	9·1	24·79	− 0·13	− 0·9	1861	9·0	24·97	− 0·24	− 2·3
1124	9·3	25·90	− 0·06	+ 2·3	1498	8·6	24·49	− 0·16	− 0·3	1871*	9·8	24·95	− 0·34	− 0·4
1127	9·5	25·65	+ 0·04	− 0·2	1510	8·6	25·09	− 0 08	+ 0·7	1875	9·2	24·93	− 0·08	− 0·6
1140	7·9	25·84	− 0·11	+ 0·3	1511*	8·4	25·09	− 0·39	+ 1·0	1882	9·3	25·04	+ 0·05	+ 1·5
1141	9·0	26·01	+ 0·06	− 1·9	1513	9·0	25·96	− 0·22	+ 0·4	1889	8·3	24·93	− 0·06	− 0·5
1151	9·0	25·66	+ 0·06	0·0	1520	9·4	24·00	− 0·12	+ 1·7	1890	8·7	24·12	− 0·24	− 0·2
1155	8·3	25·59	− 0·09	− 3·0	1521	8·8	24·04	− 0·16	− 0·9	1897	9·1	25·04	− 0·04	+ 0·5
1156	8·7	25·94	+ 0·02	− 0·5	1526	9·0	24·01	− 0·12	+ 0·5	1907	9·4	24·92	− 0·15	+ 2·1
1160	8·2	25·66	− 0·06	+ 0·4	1535	9·3	25·07	− 0·03	− 0·8	1912	9·1	24·06	− 0·28	− 0·4
1168	9·0	26·01	+ 0·15	− 0·3	1539	8·7	24·04	+ 0·09	+ 1·4	1915	8·5	24·96	− 0·09	0·0
1169	8·4	25·54	− 0·11	+ 0·6	1557	8·6	24·53	− 0·05	+ 1·0	1933*	9·4	25·10	− 0·21	− 4·1
1175	7·8	25·38	+ 0·10	− 0·5	1558	8·5	24·03	− 0·16	+ 1·1	1943	8·8	24·96	− 0·07	− 0·1
1183	8·8	26·02	0·00	+ 0·2	1563	8·7	25·07	+ 0·02	− 2·4	1945	9·8	25·00	− 0·25	+ 0·7
1184	8·3	25·37	− 0·07	+ 0·3	1569	8·8	25·07	− 0·09	+ 0·7	1966	9·2	24·55	− 0·28	− 1·3
1190	8·4	25·87	− 0·15	− 0·4	1572	9·3	24·03	− 0·08	+ 0·9	1976	8·8	24·50	− 0·16	− 2·0
1200*	9·4	25·98	− 0·35	− 0·6	1577	8·5	24·51	− 0·15	+ 0·1	1977	9·0	24·96	− 0·15	− 0·8
1213	8·9	25·30	+ 0·06	− 0·1	1579	7 9	24·62	− 0·17	− 1·6	1983*	8·5	25·04	− 0 03	− 5·5
1216	8·3	25·95	+ 0·01	− 0·2	1588	7·9	25·04	− 0·13	− 0·7	1989	8·1	24·95	− 0·12	− 1·7
1222	9·4	25·12	− 0·07	+ 0·3	1589*	8·5	24·06	+ 0·50	− 2·0	1996	8·6	25·00	− 0·23	− 1·0
1235	9·1	25·41	+ 0·03	+ 0·6	1591	8·7	25·08	+ 0·21	+ 0·6	2005	8·3	24·97	− 0·16	+ 0·3
1236	8·7	24·77	− 0·01	+ 1·4	1593	8 8	24·32	− 0·12	+ 1·1	2009*	8·8	25·07	+ 0·05	− 3·9
1242	9·4	25·96	− 0·14	− 0·4	1603	8·4	24·51	− 0·08	+ 0·2	2014	8·8	24·97	− 0·04	− 0·7
1246*	9·5	24·30	+ 0·23	− 1·3	1605	8·8	24·07	− 0·23	+ 2·5	2028	9·3	24·08	− 0·29	+ 2·6
1253	8·8	25·36	− 0·12	+ 1·0	1613	9·0	24·56	− 0·13	− 0·3	2029	8·5	24·92	− 0·23	0·0
1256	9·0	25·10	+ 0·01	+ 1·0	1621	8·3	24·66	− 0·11	− 0·2	2034	8·0	25·01	− 0·11	− 1·1
1260	8·8	25·42	+ 0·03	0·0	1624	8·8	25·01	− 0·22	+ 1·5	2038*	8·5	25·04	− 0·35	+ 0·2
1262	9·0	24·02	+ 0·18	+ 0·7	1625	8·3	25·66	− 0·01	+ 0·9	2046	9·2	24·95	− 0·22	− 1·9
1264	9·0	25·32	− 0·26	− 0·5	1628	8·8	24·49	− 0·18	+ 0·1					
1273	9·4	24·57	− 0·01	+ 1 0	1645	9·2	24·45	− 0·03	− 0·3					
1274	9·2	25·03	− 0·07	0·0	1652	8·5	24·65	− 0·07	− 0·8					
1280	9·3	24·85	− 0·08	− 0·5	1655	8·9	24·51	0·00	+ 0·6			6h		
1283	8·8	25·38	− 0·11	− 2·0	1661	8·6	24·02	− 0·13	+ 1·5	2052	8·8	25·11	− 0·15	+ 0·3
1284	8·3	25·39	− 0·13	− 0·7	1663	8·9	24·96	− 0·21	− 0·3	2053	8·6	25·02	+ 0·03	− 1·6
1288	9·5	24·57	− 0·07	+ 0·8	1664	8·8	25·37	− 0·14	− 0·3	2060*	8·0	24·05	− 0·40	+ 2·4
1311	9·1	25·55	− 0·10	+ 0·6	1671	8·8	24·63	− 0·18	− 1·2	2068	9·1	25·12	− 0·16	− 3·0
1313	9·4	24·85	0·00	− 1·6	1674	8·3	25·00	− 0·02	− 0·7	2081	8·6	24·51	− 0·13	− 1·5
1323	9·1	25·96	− 0·09	− 0·5	1678	9·2	24·62	− 0·05	+ 0·1	2090	9·3	24·05	− 0·35	+ 0·1
1328	8·9	25·09	− 0·14	− 1·4	1681	8·0	24·66	− 0·06	0·0	2094	9·2	25·09	+ 0·09	+ 0·3
1335	9·0	25·10	− 0·14	− 0·5	1685	8·6	24·62	− 0·16	− 0·1	2099	8·9	25·02	− 0·06	− 0·2
										2101	8·9	25·14	+ 0·03	+ 2·8
		4h					5h			2108	9·4	24·02	− 0·03	− 0·6
										2113	8 4	25·09	− 0·05	+ 0·7
										2114	8·8	25·02	− 0·02	− 1·1
1349	8·3	25·64	− 0·14	− 0·8	1692	9·5	24·02	+ 0·06	− 0·4	2126*	9·0	24·99	− 0·19	− 3·0
1357	8·0	25·33	− 0·14	− 1·4	1698*	9·4	24·07	− 0·39	+ 0·1	2127	8·6	25·09	− 0·18	+ 0·1
1360	8·9	24·60	− 0·08	− 0·3	1700	9·3	25·05	− 0·01	− 1·3	2128	9·3	25·14	− 0·10	− 0·3
1364	8·5	25·36	− 0·15	+ 0·5	1702	8·8	24·06	− 0·14	+ 0·4	2129*	8·5	25·07	− 0·37	− 0·1
1369	8·3	24·49	− 0·10	+ 0·5	1705*	9·2	24·04	− 0·44	+ 2·1	2130	9·0	24·62	+ 0·16	− 1·7
1371	9·6	25·65	− 0·19	+ 0·5	1714	8·3	25·05	− 0·09	0·0	2132	8·1	24·57	− 0·07	− 1·0
1375	8·9	24·78	− 0·15	− 0·7	1716	9·0	24·79	− 0·22	+ 0·5	2133	9·4	25·10	− 0·28	− 0·8
1381	7·5	24·89	− 0·21	+ 0·1	1719*	8·8	25·53	− 0·17	+ 3·5	2134	9·3	25·11	− 0·22	− 1·9
1391*	8·7	24·77	− 0·20	− 4·3	1734*	8·7	25·01	+15·64	−143·0	2141	9·3	25·08	− 0·02	+ 2·9
1392	7·3	24·02	− 0·10	− 0·9	1736*	8·8	25·03	+ 0·14	+ 5·9	2153	9·1	24·03	+ 0·01	+ 0·9
1396	8·9	24·03	− 0·14	− 0·5	1740*	8·8	25·08	− 0·49	0·0	2157	8·8	25·10	− 0·14	+ 0·2
1400	8·4	25·38	− 0·08	− 0·1	1745	7·9	24·02	− 0·24	− 0·5	2159*	8·4	25·01	+ 0·51	+ 0·4
1401	8·7	25·55	− 0·05	+ 0·4	1751	9·3	24·90	− 0·07	+ 1·0	2175	8·5	25·13	+ 0·13	− 3·2
1403	8·7	24·91	− 0·16	− 0·1	1754	9·0	24·93	− 0·05	0·0	2179*	8·2	25 08	+ 0·77	+ 3·9
1411	9·3	24·49	− 0·16	− 0·4	1760	8·2	25·03	− 0·05	+ 0·9	2186	8·8	25·11	+ 0·02	− 0·5
1416	8·7	25·38	− 0·24	+ 0·3	1761	8·6	24·94	− 0·19	− 0·3	2198	8·5	25·04	− 0·06	− 0·1
1420*	9·1	24·01	+ 0·58	− 3·5	1764	8·5	24·06	− 0·21	− 0·2	2199	8·1	24·54	− 0·10	+ 0·5
1424	8·6	25·96	+ 0·17	+ 1·0	1783	8 6	24·06	− 0·31	− 0·8	2205	8·7	25·11	+ 0·08	− 0·8
1425	8·7	25·37	− 0·04	+ 0·3	1793	8·3	24·05	− 0·21	− 0·1	2210	8·9	25·07	− 0·27	− 0·7
1426	8·3	24·02	− 0·08	− 1·7	1796	8·3	24·95	− 0·22	− 1·9	2221	8·4	24·72	− 0·11	− 0·4
1438	9·4	24·91	− 0·16	+ 0·5	1807	8·6	24·95	− 0·26	+ 1·0	2223	8·9	25·06	+ 0·15	− 2·0
1443	7·5	24·90	+ 0·03	− 0·9	1810	8·3	24·92	− 0·12	+ 0 6	2224	8·6	25·16	− 0·08	− 1·1
1446	8·9	24·03	− 0·02	+ 0·3	1818	8·2	24·03	− 0·06	− 0·6	2227	8·0	24·55	+ 0·06	− 0·3

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
2231	9·3	25·15	− 0·14	− 0·6
2235	8·5	25·07	− 0·07	− 0·4
2243	8·3	24·52	− 0·11	− 0·7
2249	8·3	25·10	− 0·06	− 0·3
2253	8·4	24·04	− 0·14	− 1·2
2255	9·1	25·15	− 0·08	− 0·2
2262	8·1	25·14	− 0·06	+ 0·9
2267	8·5	25·03	− 0·02	− 2·1
2270	9·1	25·05	− 0·28	− 1·5
2276	8·8	25·06	+ 0·09	+ 1·4
2279	9·4	25·13	− 0·11	− 0·9
2283*	8·5	25·01	+ 0·33	− 3·2
2287	8·3	25·07	− 0·07	− 1·2
2291	9·1	25·10	− 0·07	+ 0·4
2295	9·3	25·12	− 0·28	− 0·3
2296	9·0	25·15	− 0·17	+ 1·0
2314	7·4	24·58	− 0·10	+ 0·8
2322	8·2	25·01	+ 0·04	− 0·6
2328	7·8	25·02	− 0·19	− 2·6
2329	8·1	25·02	− 0·03	− 0·7
2332	9·0	25·15	− 0·16	− 0·7
2335	8·5	25·05	+ 0·13	+ 0·1
2343	8·5	25·04	− 0·03	+ 2·7
2346	8·8	25·03	− 0·04	+ 0·1
2352	8·3	25·02	− 0·11	− 1·8
2355	8·5	25·06	− 0·20	+ 0·1
2358	8·5	24·94	− 0·20	+ 0·1
2363	7·8	25·09	+ 0·08	− 1·6
2365	8·5	24·99	+ 0·07	− 1·3
2369	8·3	25·11	− 0·07	+ 0·4
2374	9·1	24·06	+ 0·11	+ 0·7
2739	8·8	24·96	− 0·15	− 2·0
2380*	9·1	25·07	− 0·37	− 1·7
2391	8·6	24·96	− 0·26	− 0·7
2393	8·8	25·07	− 0·04	− 1·7
2403	8·4	24·99	− 0·28	− 1·0
2406*	9·0	25·10	− 0·03	− 5·0
2413	8·4	25·05	− 0·18	− 1·6
2420	9·1	24·99	− 0·14	− 2·0
2423	9·3	24·98	− 0·17	− 1·7
2424	8·6	24·58	− 0·03	− 0·6
2428	7·9	25·00	− 0·22	− 1·7
			7^h	
2434	8·8	23·85	− 0·30	+ 0·4
2445	7·7	24·98	− 0·23	− 1·5
2447	8·7	24·43	− 0·07	− 1·8
2450	8·1	23·90	− 0·19	− 0·5
2452	8·9	25·03	− 0·20	− 3·0
2455*	8·9	24·98	...	− 1·6
2461	8·3	24·03	− 0·11	+ 0·2
2469	8·2	24·98	− 0·30	− 2·1
2475	8·5	25·03	− 0·22	− 1·3
2480	9·0	24·96	− 0·14	− 0·9
2481	8·6	23·89	− 0·17	− 1·0
2484	8·3	23·89	− 0·18	− 1·5
2513	8·0	24·94	− 0·16	− 0·1
2514	9·6	23·89	− 0·10	+ 1·2
2526	9·3	24·08	− 0·11	− 2·2
2531	8·8	24·95	− 0·17	− 0·2
2545	8·4	24·95	− 0·07	− 2·9
2548	9·2	24·99	− 0·20	− 1·7
2551	8·5	24·98	− 0·22	− 3·2
2552	8·6	25·01	0·00	− 2·2
2559	8·7	24·58	− 0·09	− 1·1
2560	8·8	23·89	− 0·34	+ 0·6
2563	8·8	24·97	− 0·20	− 2·2

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
2565	9·1	24·99	− 0·20	− 0·9
2572	8·5	24·97	− 0·18	− 2·0
2575	8·8	24·99	− 0·09	− 1·3
2580	8·8	24·99	− 0·18	− 1·7
2581	8·5	23·90	− 0·37	− 0·9
2582	8·3	24·91	− 0·12	− 2·2
2587	9·5	24·44	− 0·20	− 0·2
2603	8·3	24·99	+ 0·14	− 1·1
2604	9·0	24·95	− 0·30	− 1·6
2606	8·9	24·94	− 0·23	− 0·7
2607	8·8	23·88	− 0·05	− 1·0
2613	8·8	24·94	− 0·23	− 1·7
2620	9·0	24·96	− 0·23	− 1·3
2621	9·5	24·82	− 0·32	− 1·9
2626	8·4	24·85	− 0·27	− 0·1
2634	7·8	24·97	− 0·34	− 2·0
2640	8·3	24·88	− 0·28	− 1·5
2642	7·9	24·99	− 0·25	− 1·5
2650	8·1	24·94	+ 0·04	− 1·2
2652	9·0	23·88	− 0·12	+ 0·1
2653	8·0	24·89	− 0·34	− 0·6
2658	9·3	24·98	− 0·10	− 3·1
2663	8·1	24·82	− 0·20	− 0·6
2665	8·3	24·99	− 0·08	− 2·9
2666	8·0	25·01	− 0·22	− 2·1
2667	8·4	23·91	− 0·17	+ 0·1
2675	8·6	24·94	− 0·08	− 0·8
2686	8·3	24·94	− 0·08	− 2·3
2687	8·0	24·98	− 0·22	− 1·9
2697	8·6	24·95	− 0·14	− 2·1
2702*	8·5	24·88	− 0·38	− 2·6
2706	7·9	24·99	− 0·16	− 2·2
2718	9·0	23·90	− 0·14	+ 0·7
2721	8·6	24·87	− 0·32	− 1·7
2723	8·3	24·99	− 0·15	− 1·2
2739	8·9	24·98	+ 0·02	− 2·5
2745	9·3	23·85	− 0·24	− 0·3
2747	9·0	24·93	− 0·23	− 0·5
2748	8·6	24·94	− 0·24	− 1·9
2749	8·5	24·90	− 0·21	− 1·8
2752	8·5	24·43	− 0·28	− 0·6
2761	8·2	24·40	− 0·26	− 0·5
2771	8·0	23·89	− 0·10	+ 0·2
2779	9·3	25·00	− 0·15	− 1·7
2787	9·3	24·08	− 0·03	+ 0·7
2798	8·3	24·98	+ 0·05	− 3·2
2806	8·1	23·85	− 0·22	− 1·1
2812	9·3	25·02	− 0·08	− 1·9
			8^h	
2832	8·3	24·00	− 0·23	+ 0·5
2836	8·1	24·99	− 0·23	− 0·9
2840	8·0	24·86	− 0·33	− 2·3
2842	7·7	24·86	− 0·16	− 2·5
2847	8·3	23·88	− 0·15	− 3·0
2849	8·8	24·99	− 0·25	− 0·9
2852	8·0	24·90	− 0·21	− 3·1
2853	8·4	24·11	− 0·05	− 0·2
2857	8·7	24·29	− 0·21	− 1·2
2867	8·3	24·98	− 0·16	− 1·1
2874	8·3	23·88	− 0·25	+ 0·1
2875	8·8	24·44	− 0·39	− 2·1
2885	9·4	23·89	− 0·23	+ 1·2
2902	8·5	24·98	− 0·14	− 0·9
2909	8·6	23·92	− 0·23	+ 0·3
2910	8·3	24·87	− 0·26	− 1·8
2915*	9·3	24·09	+ 0·12	− 3·0

No. 1900.	Mag.	Cape— C.Z. ΔEp.	Δα	Δδ
		y	s	″
2916	7·9	24·50	− 0·24	− 0·5
2922	9·2	23·89	− 0·28	− 1·1
2928	8·5	24·98	− 0·13	− 1·7
2932	9·0	24·49	− 0·28	− 0·1
2936	8·1	24·63	− 0·18	− 0·7
2941	9·0	24·11	− 0·07	+ 1·6
2946	8·7	24·87	− 0·34	− 2·4
2950	9·0	24·27	− 0·32	− 1·9
2959	9·2	23·61	− 0·24	+ 1·5
2960	8·4	23·91	− 0·01	+ 1·2
2964	8·4	24·84	− 0·25	− 2·1
2968	8·3	24·80	− 0·20	− 0·8
2975	9·0	23·96	− 0·11	− 0·2
2978	8·8	23·91	0·00	+ 0·6
2980	8·3	23·91	− 0 22	+ 0·3
2987	8·8	22·85	− 0·29	+ 0·5
2988	8·5	24·40	− 0·23	− 0·7
2990	9·1	24·85	− 0·39	− 2·9
3006	8·7	23·34	− 0·23	+ 1·2
3025	8·2	23·36	− 0·17	+ 0·2
3027	8·1	23·35	− 0·13	− 0·3
3037	9·0	23·89	− 0·26	− 2·0
3043	8·5	23·35	− 0·10	− 0·5
3044	8·7	23·99	− 0·08	− 1·8
3049	9·0	22·85	− 0·13	+ 2·0
3054*	7·9	24·86	− 0·21	− 3·7
3056	8·8	24·84	− 0·18	+ 0·2
3060	8·6	22·81	− 0·31	+ 1·1
3067	8·8	23·96	− 0·42	− 0·5
3076	8·4	24·82	− 0·17	− 0·9
3086*	9·2	22·85	− 0·51	+ 2·0
3091	7·6	24·41	− 0·19	0·0
3098	9·0	24·82	− 0·12	+ 0·7
3111	9·1	23·97	− 0·22	− 0·7
3113	9·2	22·83	− 0 16	+ 0·8
3119	9·0	24·40	− 0·26	− 1·1
3125	8·3	23·95	− 0·20	− 0·8
3126	9·2	22·87	− 0·16	− 0·2
3137	9·1	22·85	− 0·10	+ 1·3
3139*	8·2	22·85	− 0·19	+ 2·9
3142	9·4	23·95	− 0·32	− 2·6
3143	8·1	24·83	− 0·20	− 2·2
3151	9·1	24·82	− 0·42	− 3·2
3157	8·6	24·00	− 0·30	+ 0·1
3159	9·4	24·84	− 0·32	− 1·6
3161	8·1	23·85	− 0·33	− 0·3
3163*	9·3	22·84	− 0·47	+ 0·2
3179	9·1	22·81	− 0·25	− 0·2
3180	8·5	22·87	− 0·07	− 2·1
3184	8·9	24·85	− 0·20	− 1·6
3186	8·9	24·86	− 0·04	− 1·7
3195	8·4	23·82	− 0·19	− 1·0
3197	8·0	23·96	− 0·34	+ 0·3
3207	8·8	24·82	− 0·25	− 2·3
3208	8·5	23·82	− 0·18	+ 1·4
3211	8·8	22·84	− 0·21	− 0·6
			9^h	
3218	8·8	24·85	− 0·39	− 2·1
3227	8·8	22·83	− 0·15	− 0·6
3233	8·4	23·87	− 0·24	− 2·0
3234	9·2	24·82	− 0·35	− 0·9
3239	9·1	24·01	− 0·37	+ 1·7
3246	8·5	23·96	− 0·38	+ 0·2
3251	8·6	22·85	− 0·11	− 0·4
3256	8·7	23·81	− 0·26	− 2·0
3259	8·2	22·89	− 0·04	+ 0·9

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″			y	s	″			y	s	″
3260*	8·7	24·53	− 0·30	+ 3·0	3584	8·0	23·91	− 0·24	− 1·6	3924	8·8	24·79	− 0·15	− 1·4
3274	9·3	22·76	− 0·23	− 0·8	3586	8·2	23·92	− 0·09	− 1·2	3928	8·6	24·93	− 0·16	− 2·8
3275	8·3	22·85	− 0·16	− 2·4	3587	9·0	22·88	− 0·06	+ 0·9	3934	8·2	23·84	− 0·05	− 2·3
3282	9·0	22·83	− 0·18	+ 1·9	3588	9·0	22·82	− 0·14	− 0·4	3939	8·3	23·91	− 0·23	− 0·5
3292	9·0	23·64	− 0·27	0·0	3592	9·2	23·82	− 0·30	+ 0·9	3947	8·8	24·93	− 0·10	− 0·4
3307	9·1	23·80	− 0·39	− 1·3	3596	8·8	23·92	− 0·17	− 1·7	3949	8·9	24·80	− 0·14	− 1·1
3309	8·6	23·96	− 0·08	− 0·9	3597	8·8	23·92	− 0·34	− 2·4	3966	8·7	24·90	− 0·05	− 0·7
3311*	9·0	23·96	− 0·21	− 1·1	3598	8·2	22·88	− 0·21	− 0·2	3968*	8·7	24·78	+ 0·08	− 3·8
3317	8·6	22·85	− 0·22	+ 0·1	3612	8·9	24·78	− 0·24	− 0·9	3979*	8·0	24·88	− 0·19	− 3·3
3318	7·8	24·18	− 0·20	− 1·3	3613	8·4	23·49	− 0·12	− 0·9	3981	8·3	24·93	− 0·03	− 1·1
3322	8·1	24·03	− 0·30	+ 0·5	3614*	8·9	22·85	− 0·20	− 1·1					
3335	8·1	23·90	− 0·27	− 0·4										
3338	9·3	22·80	− 0·27	− 1·3										
3344	8·3	25·04	− 0·28	− 1·6				h					h	
3345	8·2	22·82	− 0·35	− 0·6				10					11	
3351	9·1	22·78	− 0·03	+ 0·2	3621	8·9	23·81	− 0·12	− 1·2	3990	8·0	24·96	− 0·28	− 1·2
3360	8·6	22·79	− 0·12	− 1·0	3624	8·0	24·28	− 0·17	− 2·0	3997	8·5	24·94	− 0·39	− 1·6
3364*	9·1	22·86	− 0·70	− 0·9	3627	8·5	24·15	− 0·17	− 2·0	4001	8·7	24·86	− 0·10	− 2·7
3366	8·4	22·77	− 0·16	− 0·8	3635	8·2	23·78	− 0·32	0·0	4009	8·8	24·89	− 0·16	− 1·4
3373	9·3	22·86	− 0·09	+ 0·1	3638	8·9	25·01	− 0·33	− 1·3	4015	9·4	24·82	− 0·12	− 2·0
3375	8·8	23·88	− 0·49	− 0·7	3639	8·9	24·38	− 0·08	− 1·7	4046	8·3	24·93	− 0·01	− 1·8
3384*	8·8	22·83	− 0·22	+ 2·7	3643	8·8	24·77	− 0·05	− 0·8	4070*	8·2	24·92	+ 0·03	− 5·3
3385	8·1	25·06	− 0·41	− 2·9	3645	8·9	24·25	− 0·22	− 2·1	4074	9·3	24·95	− 0·15	+ 1·0
3388	8·6	22·81	− 0·09	+ 0·5	3651	8·6	23·97	− 0·20	− 1·7	4076	7·8	24·84	− 0·38	− 2·3
3391	9·2	25·02	− 0·11	− 0·5	3655	8·9	23·83	− 0·32	− 1·2	4083	7·9	24·93	+ 0·13	+ 0·9
3395*	8·8	25·10	− 0·76	− 0·2	3656	8·4	23·88	− 0·14	− 2·6	4087	8·6	24·99	− 0·13	+ 1·6
3396	8·8	22·88	− 0·11	+ 0·1	3669	8·7	24·77	− 0·04	− 1·4	4103	8·5	25·00	− 0·16	+ 0·4
3398	8·0	25·02	− 0·23	− 1·1	3670	8·9	24·93	− 0·18	+ 1·4	4116	8·8	25·01	− 0·24	− 2·1
3409	9·1	22·76	− 0·13	− 0·3	3679	8·9	24·98	− 0·15	− 3·9	4117	8·7	24·82	− 0·24	− 1·3
3410	8·3	22·85	− 0·28	− 2·2	3681	8·1	24·11	− 0·29	− 0·9	4122	9·1	24·98	− 0·25	+ 0·2
3411	9·1	25·03	− 0·11	− 1·1	3684*	9·0	25·09	− 0·46	− 0·6	4129	9·0	24·93	− 0·01	− 3·4
3420	7·8	22·82	− 0·45	− 1·6	3687	8·5	24·82	− 0·08	− 1·0	4134	8·8	24·94	− 0·15	− 0·8
3425	8·3	25·07	− 0·18	− 1·6	3695	8·3	24·98	− 0·15	− 0·2	4137	8·1	24·98	− 0·09	− 1·8
3426	8·6	22·79	− 0·08	− 1·2	3702	8·4	25·09	− 0·16	− 1·8	4139	8·0	24·93	− 0·10	− 1·8
3427	9·1	25·03	− 0·13	− 0·4	3704	8·6	23·95	− 0·24	− 3·0	4144	8·1	24·91	− 0·19	− 3·2
3430	9·3	22·82	− 0·20	− 1·6	3708	9·5	24·77	− 0·13	+ 0·3	4149	8·6	24·94	− 0·03	− 2·6
3431	9·1	22·86	− 0·39	− 0·1	3715	7·9	24·88	− 0·17	− 1·6	4162	8·7	24·95	− 0·05	− 1·6
3435	8·5	23·91	− 0·46	− 0·1	3721	9·3	24·77	− 0·10	− 1·8	4168	8·8	24·98	+ 0·04	− 1·5
3448	9·1	22·79	− 0·34	+ 0·7	3733*	9·0	24·80	− 0·27	− 0·6	4173	8·1	24·82	− 0·16	− 2·9
3453*	8·5	25·05	− 0·23	− 3·6	3737	8·1	24·88	− 0·21	− 0·9	4179	8·9	24·90	− 0·17	− 1·0
3454	9·3	22·89	− 0·13	− 1·4	3750	8·8	24·95	− 0·39	− 2·4	4182	9·1	24·96	− 0·22	− 0·5
3461	8·5	23·89	− 0·31	− 1·4	3756	8·7	24·77	− 0·06	− 3·0	4190	8·9	24·90	− 0·17	− 2·4
3468	8·7	23·91	− 0·19	− 2·9	3763	9·2	24·91	− 0·27	+ 0·9	4198	8·4	24·93	− 0·01	− 3·3
3469	8·9	25·03	− 0·34	− 0·4	3767	8·1	24·77	− 0·26	− 1·8	4202	8·4	24·91	− 0·16	+ 0·2
3470	9·2	23·93	− 0·36	− 0·4	3771	7·7	24·89	− 0·10	− 1·1	4208*	9·3	24·92	− 0·38	− 4·5
3472	7·9	23·94	− 0·28	+ 0·9	3775*	8·8	22·78	+ 0·02	− 0·6	4209*	8·9	25·04	− 0·53	− 3·0
3474	9·5	22·84	− 0·27	− 0·9	3777*	9·0	24·89	− 0·12	− 2·4	4212	8·7	25·03	− 0·09	− 2·8
3482*	8·6	25·05	− 0·42	− 4·6	3783	9·1	24·82	+ 0·02	− 2·0	4228	8·3	24·94	− 0·04	+ 0·3
3491	8·1	23·92	− 0·42	− 0·9	3789	8·7	24·77	− 0·05	− 1·9	4231	9·4	24·89	− 0·07	− 0·3
3492	9·1	22·80	− 0·11	− 0·4	3794	9·1	24·77	− 0·19	− 2·4	4234	8·7	24·95	− 0·18	− 1·0
3494	8·9	22·81	− 0·33	+ 1·3	3802	9·1	22·79	− 0·02	− 0·9	4236*	9·2	22·87	− 0·42	+ 0·4
3498	9·2	22·79	− 0·33	+ 0·1	3805	8·6	22·81	− 0·36	− 3·3	4238*	8·5	24·92	− 0·20	− 5·8
3505	9·0	22·80	− 0·22	− 0·4	3815	9·3	22·79	− 0·13	− 2·3	4248*	8·8	24·88	− 0·10	− 5·1
3509	8·3	23·54	− 0·21	− 1·3	3823	8·3	24·86	− 0·20	− 0·8	4250*	8·7	25·03	− 0·53	− 2·5
3512	9·3	22·79	− 0·08	+ 0·4	3824	8·0	23·86	− 0·06	− 2·2	4263	8·8	24·88	− 0·13	− 4·4
3515	8·3	22·79 23·93	− 0·19	− 0·7	3826	8·8	24·88	− 0·15	− 1·2	4265*	9·2	22·95	− 0·55	+ 0·9
					3833	8·3	24·89	+ 0·05	− 1·8	4266	8·5	25·01	− 0·31	− 2·7
3518	9·1	22·78	− 0·29	+ 1·1	3834	8·6	24·81	+ 1·05	− 1·4	4267	9·1	24·95	− 0·22	− 2·0
3527	9·0	22·85	− 0·15	− 1·1	3841	9·5	22·82	− 0·17	0·0	4277	7·9	24·92	− 0·22	− 1·6
3534	8·3	22·86	− 0·22	− 1·4	3845	7·4	24·89	− 0·18	− 1·0	4289	9·7	22·89	− 0·33	0·0
3539	9·6	22·77	− 0·18	+ 0·4	3854	9·0	24·84	− 0·03	+ 1·1	4292	9·0	24·93	− 0·30	− 2·1
3550	9·0	22·86	− 0·44	− 2·1	3863	9·1	24·92	− 0·08	− 1·0	4297	8·6	24·98	− 0·26	− 1·0
3554*	8·2	22·82	+ 0·05	+ 9·8	3867	8·6	24·95	− 0·03	+ 0·8	4300	7·7	24·96	+ 0·06	+ 0·5
3557	8·9	22·84	− 0·40	− 0·1	3875	8·9	24·89	− 0·01	− 1·2	4313	9·3	22·88	− 0·21	+ 0·6
3563	8·5	22·79	− 0·20	− 2·5	3881	9·3	24·79	− 0·08	− 1·3	4323*	8·8	25·01	+ 0·09	− 1·8
3564	7·8	23·55	− 0·11	− 0·6	3889	8·9	24·77	− 0·08	− 1·7	4326	8·5	23·95	− 0·23	− 0·1
3565	8·4	25·07	− 0·15	− 1·8	3894	8·0	24·90	− 0·08	− 1·0	4329*	8·4	22·89	− 0·27	+ 3·0
3571	8·8	23·31	− 0·30	− 0·3	3902	9·0	24·85	− 0·13	− 1·4	4338*	8·3	24·92	− 0·51	− 4·1
3577	8·9	23·83	− 0·43	− 0·5	3916	8·3	24·90	− 0·24	− 0·2	4341	8·0	23·94	− 0·19	− 1·7

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
4355	9·0	24·97	− 0·40	− 2·6
4357	9·1	24·92	− 0·39	− 1·7
4365	8·9	24·94	− 0·21	− 2·9
			12h	
4383	9·3	25·03	− 0·20	− 2·4
4387	9·3	22·89	− 0·48	+ 1·3
4394	8·5	24·90	− 0·19	− 3·1
4398	9·1	25·04	− 0·09	− 1·5
4408	8·5	24·96	− 0·29	− 2·2
4410	8·5	25·03	− 0·13	− 2·8
4416	8·6	24·93	− 0·18	− 2·6
4442	8·3	24·97	− 0·04	− 4·6
4450	8·7	24·96	− 0·13	− 2·4
4455	8·9	23·98	− 0·16	− 1·3
4460*	8·9	25·05	− 0·12	− 5·1
4461	8·7	24·98	− 0·10	− 1·7
4468	8·0	24·92	− 0·25	− 1·8
4474	8·9	24·99	− 0·24	− 3·9
4480	8·1	24·90	− 0·13	− 2·8
4486	8·6	25·05	− 0·14	− 1·7
4493	7·8	24·96	− 0·10	− 2·3
4497	8·9	24·98	− 0·16	− 4·3
4498	8·8	24·97	0·00	− 3·0
4501	8·8	24·90	− 0·18	− 1·7
4514	9·0	22·76	− 0·31	− 1·7
4522	8·7	23·89	− 0·41	− 0·3
4524	7·6	25·04	− 0·04	− 3·3
4531	8·3	24·99	− 0·19	− 1·7
4537	8·5	24·97	− 0·13	− 4·4
4545	8·5	24·99	+ 0·01	− 2·1
4551*	8·6	24·98	− 0·17	− 5·1
4553	9·0	25·05	− 0 21	− 3·6
4555*	8·8	22·92	− 0·35	+ 2·1
4564	8·6	25·01	+ 0·05	− 3·4
4569	9·1	24·94	− 0·16	− 2·2
4570	8·5	25·08	− 0·05	− 1·5
4573	9·1	25·00	− 0·03	− 1·6
4581	9·0	24·91	− 0·06	− 3·9
4589	8·8	24·91	− 0·04	− 1·7
4593	9·1	25·07	− 0·06	− 0·8
4597	9·3	25·03	− 0·12	− 0·5
4600	9 0	24·91	− 0·15	− 0·4
4603	8·4	24 98	− 0·19	− 1·9
4607	8·6	23·03	− 0·22	− 0·4
4609	7·9	25·08	− 0·18	− 1·0
4610	8·6	25·07	− 0·22	− 2·0
4619	9·3	25·01	− 0·08	− 0·4
4621	9·0	25·08	− 0·02	− 2·3
4624	8·3	25·05	− 0·41	− 1·8
4630	8·6	25·01	− 0·17	− 2·0
4636	7·9	25·08	− 0·18	− 3·5
4650	9·2	25·03	− 0·24	− 2·3
4652	7·9	25·06	− 0·15	− 2·0
4667	7·9	25·02	− 0·46	− 2·5
4672	9·3	25·09	− 0·27	− 1·6
4675	8·0	25·06	− 0·34	− 2·9
4680	8·2	25·04	− 0·11	− 3·5
4691	9·0	25·06	− 0·06	− 1·6
4700	8·7	25·05	− 0·41	− 2·7
4703	8·9	25·12	+ 0·01	− 0·3
4707	9·0	25·07	− 0·20	− 0·5
4714	8·6	25·08	− 0·17	− 2·8
4718	7·7	25·06	− 0·18	− 1·5
4722	8·8	25·07	− 0·26	− 4·2
4724	9·2	25·10	− 0·25	− 3·7
4742	8·5	25·10	− 0·22	− 0·7
4744	8·6	25·07	− 0·20	− 3·6
4752	8·8	25·08	− 0·17	− 2·7
4753	9·0	25·07	− 0·16	− 2·1
4759*	9·1	25·07	− 0·61	− 0·8
4768*	8·1	25·05	− 0·10	+ 6·4
4770	8·9	25·10	− 0·16	+ 0·3
4780	8·3	25·08	− 0·35	− 2·7
4782	9·0	25·04	− 0·36	− 0·7
4784	8·3	25·06	− 0·21	− 0·9
4794	8·9	25·03	− 0·20	+ 0·1
4795	8·2	25·06	− 0·12	+ 1·2
4803	9·0	25·04	− 0·21	− 0·8
4822	9·0	25·05	− 0 13	− 0·5
4824	8·8	25·06	− 0·05	− 2·0
4836	8·1	25·11	− 0·18	− 0·8
4837	9·2	25·04	− 0·16	+ 0·3
4838	9·1	25·09	− 0·16	0·0
4855	8·6	25·04	− 0·25	− 2·1
4862*	8·6	25·02	− 0·39	− 3·8
4863	8·6	25·07	− 0·24	− 0·5
4874	8·6	25·03	− 0·26	− 2·0
4876	9·1	25·11	− 0·04	+ 2·5
4883	7·8	25·05	− 0·19	− 1·9
4890	8·0	25·11	− 0·35	− 2·9
4892	9·1	25·08	− 0·22	− 2·4
4905*	8·8	25·07	− 0·40	− 1·5
4906*	8·5	25·09	− 0·15	− 1·9
4912*	8·2	25·04	− 0·55	− 1·2
4915	8·2	25·13	− 0·10	− 1·8
4923	8·4	25·13	− 0·26	− 2·9
4924	8·5	25·11	− 0·32	− 0·7
4939	9·0	25·04	− 0·23	− 2·9
4942*	9·2	22·92	+ 0·04	− 4·8
4946*	9·2	22·88	− 0·39	− 4·7
4948	8·3	25·04	+ 0·01	− 2·2
4964	8·1	25·04	− 0·07	− 2·0
4970	8·1	25·08	− 0·17	− 1·2
4971	7·8	25·07	+ 0·06	− 2·3
4974	9·0	25·07	− 0·15	− 2·1
4977*	8·4	22·87	− 0·13	− 3·8
4981*	8·5	25·06	− 0·53	+ 1·1
4984	8·7	22·87	− 0·13	− 0·2
5000	8·9	25·04	− 0·19	− 1·4
5001	8·6	22·89	− 0·37	+ 0·7
5011	9·5	25·08	− 0·09	+ 1·4
5018*	8·8	25·04	− 0·23	− 4·8
5026*	9·4	22·89	− 0·44	− 0·5
5028	8·8	25·11	− 0·12	− 2·4
5040	8·7	25·09	− 0·36	− 3·2
5042*	8·6	25·10	− 0·35	− 2·3
5043	9·2	25·14	− 0·19	− 2·0
5045	9·1	25·11	− 0·04	− 0·2
5067	9·3	25·08	− 0·25	− 2·3
5072	8·8	24·82	− 0·18	− 2·0
5079	8·7	25·03	− 0·29	− 2·1
5082	9·1	25·04	− 0·23	− 2·1
			14h	
5087	8·8	24·90	− 0·23	− 1·1
5093	8·3	23·98	− 0·16	− 1·7
5097	9·0	24·20	− 0·10	− 1·0
5102	8·9	24·95	+ 0·04	− 2·4
5104*	9·0	24·29	+ 0·43	+ 2·2
5106*	8·5	23·85	− 0·41	− 4·2
5108*	8·4	25·06	+ 0·12	− 8·4
5110	7·8	24·05	− 0·30	− 0·6
5120	8·4	22·84	− 0·24	− 3·2
5126	9·5	22·90	− 0·32	− 1·6
5128	9·1	23·84	− 0·40	− 1·3
5129	9·6	25·07	− 0·10	− 1·0
5130	8·8	24·88	− 0·29	− 1·0
5134	9·5	24·94	− 0·35	− 0·8
5135*	8·1	24·01	− 0·24	− 5·1
5142	8·8	24·81	− 0·21	+ 0·3
5147	9·3	25·02	− 0·04	− 2·6
5152	7·4	24·86	− 0·10	− 0·7
5159	9·3	24·26	− 0·08	− 1·5
5162	8·8	24·81	− 0·14	− 1·9
5167	8·8	24·22	+ 0·03	− 2·1
5178	8·8	22·85	− 0·14	− 2·9
5179	8·3	24·99	− 0·15	− 1·4
5184	8·7	23·89	− 0·30	− 0·7
5185	8·3	24·88	− 0·21	− 1·3
5191	8·3	24·23	− 0·33	− 2·0
5200	8·3	25·00	− 0·12	− 2·7
5216	9·0	23·92	− 0·21	− 1·3
5217	9·1	25·04	− 0·30	− 1·0
5226*	9·3	23·93	− 0·32	− 1·9
5230	8·1	25·01	+ 0·06	− 2·0
5234*	9·1	22·95	− 0·11	− 1·0
5235	9·4	23·64	− 0·35	− 0·1
5247	8·5	24·90	− 0·09	− 1·9
5250	8·1	22·90	− 0·03	− 2·5
5251	8·3	24·87	− 0·19	+ 1·3
5255	9·3	22·88	− 0·08	− 1·2
5264	8·5	25·03	+ 0·08	− 2·2
5266*	8·4	23·86	− 0·43	− 1·3
5275	9·3	22·85	− 0·01	− 3·3
5282	8·6	23·85	− 0·07	− 2·7
5284	9·0	25·05	+ 0·06	− 1·6
5291	8·6	23·87	− 0·18	− 1·4
5292	9·2	23·61	− 0·24	− 2·1
5295	8·1	24·24	− 0·10	− 1·5
5312	8·4	24·18	− 0·24	+ 0·2
5315	9·0	22·88	− 0·26	− 2·1
5321	9·3	24·79	− 0·34	− 0·2
5323	9·2	24·98	− 0·17	+ 0·3
5326*	8·8	24·90	− 0·64	− 1·7
5327*	8·5	23·87	− 0·61	− 1·3
5337	8·3	23·86	− 0·18	− 0·9
5340	8·8	24·88	− 0·10	− 0·5
5356	9·3	22·94	− 0·29	− 0·9
5360*	9·0	25·03	+ 0·05	− 1·2
5363	9·1	22·94	− 0·26	− 0·8
5364	9·1	23·93	− 0·31	− 0·9
5367	9·2	22·94	− 0·03	− 0·6
5377	8·9	24·06	− 0·12	− 1·5
5379	9·0	25·02	− 0·03	− 0·2
5381	8·8	23·90	− 0·27	− 0·5
5386	8·1	24·18	− 0·15	− 1·6
5388*	8·4	23·91	− 0·44	+ 0·6
5392	8·3	24·84	− 0·17	− 2·0
5402	8·8	25·08	+ 0·03	− 3·3
5403	9·4	24·81	− 0·03	− 1·1
5404	7·8	22·98	0·00	− 2·1
5406	8·6	23·96	− 0·26	− 1·8
5410	8·9	25·03	+ 0·08	− 1·3
5413*	9·3	24·90	+ 0·22	− 0·2
5415	9·4	24·81	− 0·09	− 1·5
5422	8·4	24·85	− 0·14	− 3·2
5424*	9·1	22·93	− 0·42	+ 0·9
5441	8·8	23·93	− 0·33	− 0·3
5442	9·2	23·95	− 0·26	− 1·7

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
5444	8·5	25·12	− 0·05	− 0·5
5449	8·3	22·90	− 0·23	− 3·1
5451	9·4	24·86	− 0·06	− 0·7
			15h	
5454	8·8	23·94	− 0·16	− 0·2
5455*	8·6	23·00	− 0·56	− 2·1
5461*	7·8	24·25	− 0·45	− 3·3
5467	8·6	25·06 25·00	− 0·19	− 2·8
5476	8·6	23·86	− 0·16	+ 0·1
5480	8·0	24·81	− 0·09	− 0·5
5481	8·6	24·91	− 0·01	− 2·7
5485	8·1	25·13	+ 0·12	+ 0·5
5491	8·1	25·10	− 0·07	− 0·8
5497	9·1	25·02	− 0·08	+ 0·1
5498	8·9	23·91	− 0·31	− 2·0
5501	9·2	22·93	− 0·10	0·0
5505	8·1	24·89	+ 0·01	− 2·3
5508	8·6	24·25	− 0·39	− 0·8
5520	9·4	24·87	− 0·25	− 2·3
5525	8·9	25·10	+ 0·05	− 0·7
5532	9·0	22·95	− 0·11	+ 0·2
5536*	9·0	23·03	− 0·45	− 3·6
5544	8·3	24·89	− 0·24	− 1·2
5554	9·2	24·99	− 0·17	− 0·3
5555	8·5	23·95	− 0·09	− 2·0
5569	8·1	24·89	− 0·16	− 2·2
5571	8·9	23·00	− 0·13	− 0·1
5575	8·9	25·01	− 0·01	+ 0·7
5576	8·5	23·93	− 0·13	− 1·7
5581	9·2	23·03	− 0·37	− 0·7
5587	9·0	24·80	− 0·13	− 1·3
5588	9·1	23 94	− 0·10	− 1·6
5591	8·6	24·93	− 0·16	+ 0·1
5595	8·8	25·08	− 0·04	− 0·9
5596	9·4	23·00	− 0·12	− 0·6
5598	8·7	22·91	− 0·38	+ 1·5
5604	8·8	24·84	+ 0·06	− 0·3
5606	9·2	22·89	− 0·30	− 2·7
5611	8·0	24·29	− 0·07	− 0·6
5614	9·2	23·00	− 0·23	− 0·9
5616	8·5	24·91	− 0·06	− 1·9
5623	9·1	23·84	− 0·04	+ 0·1
5624	8·5	22·99	− 0·05	− 1·3
5627	9·3	23·00	− 0·34	+ 0·5
5641	9·0	24·22	− 0·21	− 0·8
5652	9·1	22·94	− 0·14	− 1·3
5656	9·0	23·94	− 0·08	− 1·3
5661	7·9	22·81	− 0·09	− 0·6
5672	8·8	23·78	− 0·17	− 0·7
5674	8·0	22·83	− 0·23	+ 1·3
5679	9·3	22·83	− 0·21	− 1·6
5683	9·1	22·82	− 0·11	− 0·1
5687*	8·7	22·96	− 0·63	− 3·4
5688	8·6	23·90	− 0·16	− 0·3
5689*	8·7	22·88	− 0·25	− 2·9
5690	8·5	22·98	− 0·03	+ 0·7
5698	9·0	22·80	− 0·17	− 1·6
5699	8·5	22·83	− 0·07	− 0·2
5703	9·1	22·95	− 0·02	− 2·1
5709	8·8	24·21	− 0·04	− 1·6
5716	8·9	22·78	− 0·39	+ 0·1
5717	8·0	22·86	− 0·29	− 3·4
5720	8·7	22·90	− 0·06	− 0·3
5724	9·2	23·93	− 0·14	− 1·2
5726*	8·8	22·84	− 0·38	+ 7 1
5730	8·9	24·27	− 0·06	− 1·2
5740	9·1	22·74	− 0·07	− 0·5
5742	8·8	22·92	− 0·23	− 2·4
5746	9·4	22·70	− 0·35	− 0·7
5756	8·8	22·88	− 0·15	− 0·1
5759	8·5	22·75	− 0·18	− 0·8
5762	9·2	22·89	− 0·27	− 2·0
5767*	9·3	22·83	− 2·33	− 3·3
5777*	9·4	22·95	− 0·36	− 3·6
5781	8·0	22·79	− 0·13	− 2·1
5784	8·8	23·92	− 0·09	− 0·4
5786*	7·5	23·61	− 0·45	− 2·8
5787	8·2	22·89	+ 0·04	− 0·5
5788*	8·8	22·97	− 0·36	− 5·0
5792	8·8	22·73	− 0·28	− 1·4
5794*	9·3	24·96	− 0·73	− 5·5
5795	9·0	22·75	− 0·16	− 2·0
5800*	8·7	22·83	− 0·27	− 0·9
5805	9·2	22·74	0·00	+ 0·6
5807	8·5	22·96	− 0·24	− 2·6
5812	9·0	23·92	− 0·11	− 1·7
5813	7·7	22·74	− 0·07	− 1·1
5818	9·5	24·93	− 0·23	− 1·0
5819	9·3	22·73	− 0·15	+ 1·8
			16h	
5824	8·6	22·97	− 0·29	− 3·7
5830	8·3	23·40	− 0·06	− 0·3
5832	9·2	24·96	− 0·06	− 2·4
5835	8·8	23·81	− 0·18	− 1·0
5837*	8·7	23·00	− 0·46	− 3·5
5838	8·5	22·84	− 0·05	− 1·5
5841	9·0	22·93	− 0·26	− 2·3
5844	9·3	22·81	− 0·11	− 1·0
5850	9·6	22·77	− 0·23	− 0·9
5851	9·5	22·87	− 0·23	− 1·7
5856	9·0	22·90	+ 0·02	− 0·7
5861	9·3	22·91	− 0·21	− 3·6
5865*	8·3	22·91	− 0·49	− 3·8
5873	9·4	24·92	− 0·33	+ 1·5
5874	8·0	22·94	− 0·13	− 3·6
5877	9·5	22·85	− 0·16	+ 0·1
5883	8·8	22·78	+ 0·01	+ 0·1
5892	8·0	22·72	− 0·21	− 3·8
5896	9·2	23·00	− 0·29	− 2·9
5897	9·3	23·96	− 0·23	− 2·9
5898	8·4	22·93	− 0·19	− 1·4
5903	8·3	23·94	− 0·08	− 1·4
5914	8·8	22·87	+ 0·05	− 1·7
5922	8·3	22·84	− 0·14	− 3·0
5927	8·6	22·87	− 0·10	− 1·5
5930	8·3	22·72	− 0·07	− 2·6
5944	8·3	22·88	− 0·04	− 2·2
5946	8·2	23·91	− 0·08	− 1·9
5948	9·4	22·74	− 0·08	+ 1·6
5952*	9·3	22·91	− 0·44	− 1·6
5959	9·2	24·11	− 0·35	+ 0·3
5960	8·2	22·81	− 0·23	+ 0·2
5967	8·5	23·71	− 0·10	− 0·9
5971	9·3	23·71	− 0·24	− 1·5
5972	8·3	22·88	− 0·14	+ 1·4
5974	9·3	22·87	− 0·02	− 0·6
5982	7·8	22·89	− 0·03	+ 1·7
5985	8·8	24 85	− 0·28	− 0·1
5989	8·3	22·84	− 0·09	+ 1·1
5999	8·8	22·87	− 0·15	− 1·0
6001	8 0	22·68	− 0·05	− 2·0
6011	8·1	23·55	− 0·06	− 1·7
6015	8·2	22·66	− 0·01	− 2·4
6020	9·2	22·91	− 0·34	0·0
6021	8·0	22·80	− 0·15	− 1·8
6027	8·7	23·71	− 0·08	− 1·6
6035	9·2	22·66	− 0·02	− 0·1
6036	8·6	22·84	− 0·18	− 2·0
6039	8·2	23·91	− 0·24	− 3·4
6041*	7·7	22·77	− 0·43	+ 0·9
6048*	9·3	22·77	− 0·48	+ 1·0
6054	8·8	22·66	− 0·06	− 0·1
6056	7·9	22·89	− 0·26	− 1·6
6059	8·5	22·95	− 0·01	+ 0·8
6065	8·1	22·79	− 0·27	− 1·8
6066*	7·8	22·97	− 0·52	− 3·1
6069	8·3	23·71	− 0·06	− 0·6
6071	8·3	22·95	− 0·25	− 2·9
6078	9·2	22·66	− 0·09	+ 0·2
6080	8·6	23·83	− 0·01	− 0·9
6088	9·2	22·88	− 0·36	− 3·7
6089	8·9	22·77	− 0·20	− 0·8
6091	8·2	22·89	− 0·17	− 1·4
6092	8·6	24·30	− 0·20	− 1·5
6095	8·2	22·68	− 0·09	− 2·2
6096	8·6	22·86	− 0·11	− 0·3
6100	8·8	22·85	− 0·33	− 0·9
6103	8·5	23·94	− 0·10	− 2·3
6106	8·3	23·52	− 0·14	− 0·4
6114	8·4	22·66	+ 0·01	− 0·3
6122	8·6	22·80	− 0·14	− 1·2
6128	8·2	22·83	− 0·12	− 1·7
6133	7·7	22·82	− 0·10	− 2·8
6141*	9·2	23·00	− 0·42	− 0·4
6143	8·5	22·72	− 0·18	− 2·1
6145*	8·8	22·91	− 0·34	− 2·3
6150	8·4	22·67	− 0·04	− 0·4
6152	8·4	22·86	− 0·17	0·0
6162	8·7	23·93	− 0·13	− 3·8
6167	9·6	22·90	+ 0·12	+ 0·8
6170	7·8	24·18	− 0·08	− 2·2
6172*	8·0	22·92	− 0·06	− 4·8
			17h	
6178	8·7	22·99	− 0·18	+ 0·2
6180	8·5	24·25	− 0·08	− 1·8
6185	9·3	22·66	+ 0·00	− 0·4
6187	8·0	22·92	− 0·23	− 1·4
6191	8·4	22·66	− 0·01	− 2·3
6194	8·9	22·99	− 0·34	− 0·4
6201*	8·3	22·66	− 0·27	− 4·9
6204	9·0	22·68	− 0·18	− 0·3
6210*	8·0	23·01	− 0·46	+ 1·4
6212	9·0	23·38	− 0·11	− 1·6
6214	8·5	23·83	− 0·15	− 1·4
6217	8·0	22·66	− 0·19	− 2·6
6219	8·6	24·79	− 0·12	+ 0·2
6220	9·0	22·91	− 0·05	− 0·4
6231	8·4	22·93	− 0·32	− 0·8
6234	9·0	22·90	− 0·10	− 0·3
6242	8·8	24·82	− 0·11	− 0·5
6248	8·2	22·74	− 0·07	− 1·1
6257	9·1	22·68	− 0·10	− 0·6
6258	8·4	22·99	− 0·15	− 2·0
6264	8·8	24·81	− 0·15	+ 0·3
6280	8·6	24·59	− 0·21	− 0·3
6285	9·2	22·89	− 0·16	− 1·7
6288	8·3	24·59	− 0·13	− 0·4

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
6289	7·8	22·90	− 0·03	− 0·2
6291	8·8	23·00	− 0·13	− 1·5
6297	9·2	22·74	− 0·05	0·0
6306	8·4	22·93	− 0·10	− 0·7
6319	8·8	23·92	− 0·16	− 1·1
6321	9·2	24·85	− 0·27	− 0·9
6322	9·2	22·77	− 0·19	+ 1·0
6327	8·8	22·80	− 0·10	− 2·2
6334	9·1	23·55	− 0·01	− 1·6
6343	8·5	24·59	− 0·24	+ 0·1
6345	8·4	23·91	+ 0·01	− 0·6
6350	8·5	22·93	− 0·23	+ 0·2
6351	8·8	23·84	− 0·16	− 0·4
6353	8·8	22·84	+ 0·06	− 0·3
6354	9·1	23·82	− 0·09	− 1·5
6357	8·5	24·59	− 0·15	− 1·3
6361	9·3	22·77	− 0·18	+ 1·7
6364	8·5	24·85	− 0·14	− 2·5
6368	8·9	22·77	− 0·30	− 1·9
6376	8·3	24·67	− 0·17	− 1·7
6380	9·0	24·74	− 0·08	− 0·2
6389	8·7	24·75	− 0·09	− 2·5
6396	7·7	24·67	− 0·08	− 1·5
6411	8·6	24·82	− 0·09	− 1·4
6417	8·5	24·84	− 0·20	− 2·2
6419	9·2	24·90	− 0·17	− 0·5
6420	9·2	24·90	− 0·08	− 1·0
6436*	9·0	24·85	+ 0·12	− 1·3
6447*	8·9	24·65	− 0·31	− 5·2
6455	8·7	24·92	− 0·08	− 2·4
6465	9·5	24·75	− 0·14	− 2·3
6480	9·2	24·77	− 0·25	− 2·4
6488	9·1	24·77	− 0·31	− 0·9
6491	8·7	24·83	− 0·12	− 2·9
6495	8·6	24·72	− 0·03	+ 1·0
6496	8·1	24·84	− 0·07	− 1·7
6500	8·5	24·77	− 0·18	− 1·2
6506	8·3	24·84	0·00	− 0·2
		18h		
6518	8·5	24·88	− 0·18	− 0·5
6520*	9·5	24·88	− 0·57	+ 0·4
6526	9·1	24·80	− 0·16	− 2·1
6527	8·1	24·88	− 0·05	+ 0·2
6540	8·5	24·89	+ 0·01	− 1·5
6548	8·9	24·86	− 0·01	− 1·7
6555	9·3	24·87	− 0·10	− 1·7
6558	9·1	24·95	− 0·17	− 2·8
6570	8·3	24·86	− 0·07	− 0·6
6577	9·0	24·82	− 0·06	− 0·7
6578	8·6	24·83	− 0·19	− 1·5
6584	9·0	24·77	− 0·13	− 0·3
6590	8·7	24·81	− 0·24	+ 0·8
6591*	8·5	24·92	+ 0·16	− 1·1
6594	8·2	24·83	− 0·07	− 2·7
6603	8·5	24·76	− 0·23	− 0·6
6605	8·7	24·89	− 0·24	− 1·9
6615	8·2	24·79	− 0·11	− 1·2
6625*	9·2	24·82	− 0·28	+ 0·9
6629	8·9	24·84	− 0·05	− 0·6
6635	9·6	24·79	− 0·37	+ 0·9
6636*	8·8	24·81	− 0·19	− 5·9
6644	9·3	24·86	− 0·32	− 3·3
6650	8·7	24·72	− 0·09	+ 0·9
6663	8·5	24·79	− 0·13	− 1·2
6671	8·8	24·72	− 0·25	− 0·3
6672	9·3	24·81	− 0·11	0·0
6682	8·7	24·92	− 0·02	− 1·4
6683	8·9	24·88	− 0·06	− 1·6
6686	9·1	24·72	− 0·18	− 0·4
6692	9·1	24·92	− 0·04	− 1·1
6696	9·0	24·87	− 0·16	− 2·4
6702	9·0	24·88	− 0·29	− 1·4
6706	8·4	24·72	− 0·15	+ 0·3
6714	9·1	24·81	− 0·19	− 2·1
6724	8·8	24·80	− 0·23	− 0·6
6726*	9·0	24·83	0·00	+ 2·1
6732	9·0	24·81	− 0·12	− 1·1
6739	8·8	24·79	− 0·03	− 1·6
6740*	8·5	24·81	+ 0·74	− 1·9
6749	9·1	24·79	− 0·03	− 1·3
6752	9·3	24·86	− 0·10	− 0·7
6773	8·1	24·89	− 0·09	− 0·6
6775	8·2	24·92	+ 0·23	+ 0·5
6788*	9·1	24·86	− 0·42	− 4·6
6792	8·5	24·80	− 0·23	− 1·2
6797	9·4	24·84	− 0·11	− 0·4
6801	7·9	24·91	+ 0·01	+ 0·2
6810	9·0	24·81	− 0·10	− 1·9
6814*	8·9	24·88	− 0·36	+ 0·7
6816*	8·3	24·89	− 0·23	− 4·0
6829	9·1	24·91	− 0·10	− 0·9
6831	8·5	24·97	− 0·06	− 0·2
6832	9·1	24·85	− 0·13	− 0·9
6846	8·5	24·87	+ 0·04	− 1·1
6848*	9·2	24·82	+ 0·18	− 0·5
6849	8·6	24·95	− 0·04	− 2·1
6855	8·5	24·84	− 0·24	0·0
		19h		
6869	9·1	24·92	− 0·04	− 1·6
6878*	9·2	24·90	+ 0·28	− 3·4
6880*	8·0	24·99	− 0·01	+ 3·0
6881*	8·9	24·95	− 1·13	− 2·0
6884	8·4	24·90	− 0·18	− 0·4
6889	9·1	25·00	− 0·14	− 1·0
6891	8·3	24·90	− 0·17	− 2·0
6896	8·0	24·99	− 0·16	− 0·9
6906	9·5	24·96	− 0·36	− 1·4
6915	9·0	25·01	− 0·12	+ 0·3
6918	9·0	25·00	− 0·08	− 1·2
6923	8·0	25·01	− 0·14	− 2·1
6924	8·8	25·02	− 0·13	− 1·1
6928*	7·4	24·99	− 0·20	− 4·0
6940	9·3	24·95	− 0·17	− 1·8
6942	9·4	25·01	− 0·25	− 1·4
6949	8·5	25·00	− 0·24	− 0·2
6954	9·4	24·98	− 0·23	− 1·1
6958	9·2	24·98	− 0·11	− 1·0
6961	7·5	25·01	+ 0·04	+ 0·4
6964	9·3	24·93	+ 0·01	− 0·8
6981	8·1	24·97	0·00	− 2·2
6997	8·9	25·01	+ 0·03	− 1·7
7004	8·2	25·02	− 0·09	− 2·6
7010	9·5	24·95	− 0·28	− 2·9
7014*	9·4	24·98	− 0·33	− 4·8
7026	8·3	25·00	− 0·06	− 0·2
7028	8·5	24·98	− 0·09	− 2·1
7032	8·4	25·00	− 0·16	− 2·0
7037	9·1	24·98	− 0·18	− 2·3
7038	8·9	24·95	− 0·02	− 2·0
7046*	8·9	25·04	− 0·61	− 6·8
7048	9·3	24·98	− 0·23	− 2·1
7055	9·0	24·96	− 0·19	− 2·1
7059*	8·6	25·00	− 0·12	− 5·9
7061	8·2	25·02	− 0·05	− 2·5
7068	8·3	24·96	− 0·14	+ 0·8
7069	8·7	25·01	− 0·07	− 1·6
7095	8·3	24·94	− 0·06	− 3·3
7096	8·5	24·98	− 0·10	− 1·8
7111	9·4	25·03	− 0·20	− 2·1
7113	7·5	25·05	− 0·11	− 2·6
7118	8·7	24·93	− 0·15	− 1·8
7123	9·5	24·90	− 0·26	− 0·9
7129	8·3	25·00	0·00	− 1·5
7143	9·3	24·95	− 0·35	− 0·2
7146*	8·4	25·00	+ 0·01	− 5·3
7164	8·9	24·93	− 0·31	− 1·8
7173	8·5	24·87	− 0·04	− 3·2
7179	9·5	25·01	− 0·10	− 0·9
7181	8·0	24·96	− 0·21	− 2·8
7184	9·2	24·99	− 0·25	− 1·3
7186	8·0	24·93	− 0·10	− 3·0
7190	9·2	24·95	− 0·28	+ 1·1
7193	8·5	24·87	− 0·06	− 1·2
7194	8·0	24·97	− 0·01	− 2·6
		20h		
7204	9·3	24·87	− 0·11	− 2·3
7208	9·0	25·06	− 0·30	− 3·0
7209*	8·8	24·99	− 0·15	− 4·1
7225	8·8	25·04	− 0·11	− 1·7
7232	9·3	24·97	− 0·12	− 1·1
7234	9·1	25·05	− 0·21	− 2·4
7239	8·5	24·87	− 0·31	− 0·5
7241	9·1	24·97	− 0·17	− 2·0
7242*	8·3	25·05	+ 1·69	− 6·8
7248	8·8	24·90	− 0·17	− 0·6
7256	8·5	24·94	− 0·05	− 2·5
7261	9·2	24·87	− 0·08	− 1·8
7276	9·0	24·98	− 0·25	− 1·8
7284	9·7	25·02	− 0·25	− 0·5
7285	8·8	25·07	− 0·22	− 2·0
7290	9·3	25·05	− 0·21	− 1·9
7293	8·2	24·92	− 0·04	− 0·4
7309	9·0	25·01	− 0·22	0·0
7315	8·3	25·08	− 0·18	− 1·2
7316	8·2	24·94	− 0·03	− 1·7
7321	8·5	25·01	− 0·15	− 2·5
7324	9·3	24·98	− 0·08	− 1·6
7332	8·5	24·87	− 0·10	− 1·7
7338	8·8	25·03	− 0·26	− 0·2
7339	9·2	24·89	− 0·12	+ 0·5
7342	8·7	24·86	− 0·07	− 0·9
7343	8·5	25·04	− 0·05	− 3·5
7347	9·0	25·09	− 0·15	+ 1·1
7361	8·8	25·04	− 0·17	− 0·9
7376	8·5	24·95	+ 0·06	− 2·8
7395	9·5	25·04	− 0·03	− 1·5
7401	9·5	25·06	− 0·24	− 2·4
7415	8·3	25·09	− 0·08	− 2·5
7418	9·0	25·01	− 0·05	− 2·7
7421	8·8	24·96	− 0·07	− 1·6
7440	9·2	24·98	− 0·12	+ 0·7
7462	9·5	25·35	− 0·18	− 1·3
7465	8·8	25·26	− 0·11	− 1·3
7467	8·6	25·44	− 0·21	− 1·4
7474	8·5	25·47	+ 0·03	− 0·3
7479	9·5	25·86	+ 0·03	− 0·1
7486*	8·8	25·86	+ 0·18	− 0·1
7490	9·4	25·76	+ 0·12	+ 1·0

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −44° TO −48°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ	No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	"								y	s	"
7502	9·0	25·85	− 0·08	+ 0·1			22h			8262	7·5	25·88	− 0·10	− 0·7
7511	9·2	25·74	+ 0·21	+ 1·9			y	s	"	8270	7:5	25·78	0·00	− 1·0
7527	8·3	25·82	− 0·04	− 0·4	7890*	8·5	25·31	− 0·03	− 7·9	8272	9·3	24·61	+ 0·07	− 0·1
7539	8·3	25·82	− 0·02	− 1·5	7895	8·5	24·69	− 0·08	− 2·3	8283	8·5	25·61	+ 0·06	− 0·3
					7898	8·5	25·40	− 0·04	− 0·3	8285*	8·9	25·88	+ 1·14	+ 3·3
					7899	8·9	25·95	+ 0·05	− 2·0	8288	8·5	25·88	+ 0·22	+ 0·7
		21h			7904	9·2	25·12	+ 0·04	− 1·2	8290*	8·7	25·88	+ 0·11	− 6·5
					7914*	8·2	25·42	+ 0·29	− 3·0	8291	8·3	25·60	+ 0·02	+ 1·1
7548	8·1	25·85	− 0·21	− 0·3	7916	9·4	25·22	+ 0·15	+ 1·1	8299	9·4	23·92	− 0·11	− 0·6
7555	8·5	25·76	− 0·17	− 0·6	7924	8·7	25·72	− 0·20	− 0·8	8300	8·0	25·89	+ 0·02	− 1·4
7572	8·8	25·86	+ 0·06	− 1·3	7926	7·5	25·92	+ 0·13	− 0·2	8307	9·0	24·61	+ 0·05	− 0·1
7579	8·5	25·76	− 0·06	− 1·8	7931	9·5	25·75	+ 0·09	+ 0·3	8311	7·4	25·89	− 0·01	− 1·1
7587	8·8	25·88	+ 0·06	− 2·5	7947	9·0	25·63	− 0·14	− 0·2	8313	9·2	25·71	− 0·03	− 0·7
7592	8·1	25·81	− 0·05	− 1·3	7951	9·0	25·63	+ 0·11	− 0·4	8314	7·8	23·38	+ 0·07	− 0·4
7601	8·7	25·63	+ 0·07	− 2·7	7963	9·0	25·81	− 0·02	− 1·5	8319*	9·2	25·79	− 0·14	− 1·9
7607*	7·6	25·69	+ 0·04	− 3·4	7983	7·9	25·94	− 0·12	− 0·3	8326	8·0	24·61	+ 0·14	− 0·9
7611	9·3	25·86	+ 0·10	− 0·4	7991	8·7	25·73	+ 0·11	− 2·0	8329	8·8	25·87	− 0·18	− 3·0
7618	8·3	25·77	+ 0·06	− 0·9	7996	7·7	25·90	− 0·06	+ 2·6	8334	8·2	25·70	− 0·21	− 0·2
7621	8·8	25·73	+ 0·06	− 1·3	8004	9·5	25·73	+ 0·18	− 0·4	8340*	8·9	25·78	+ 0·48	− 0·6
7626*	9·0	25·86	+ 0·31	+ 0·8	8018	7·3	25·90	− 0·18	+ 0·1	8347	9·0	24·70	− 0·06	− 2·0
7633*	9·2	25·86	+ 0·09	− 0·3	8019	9·4	25·94	− 0·11	+ 0·3	8349	8·2	23·39	− 0·03	− 0·7
7634	8·4	25·79	− 0·26	− 2·8	8035	7·7	25·55	− 0·04	− 1·9	8359*	8·0	25·78	+ 0·26	− 3·0
7639	8·8	25·72	− 0·09	− 1·2	8038	9·0	25·91	− 0·13	+ 0·5	8365	9·3	20·85	− 0·12	− 0·9
7656	8·1	25·63	+ 0·05	+ 0·3	8047	8·1	25·91	− 0·04	+ 2·3	8368	7·5	23·26	+ 0·16	− 0·7
7665	8·9	25·62	+ 0·09	− 2·6	8056	9·2	24·74	− 0·12	+ 0·7	8369	9·5	25·47	+ 0·10	− 0·9
7667	8·5	25·78	+ 0·05	− 0·6	8058*	9·0	25·90	+ 0·01	−12·5	8370	9·1	25·92	− 0·16	− 1·7
7679	8·8	25·61	− 0·03	+ 0·2	8062	8·0	25·73	− 0·20	− 1·2	8371	8·0	25·95	+ 0·01	− 1·2
7683	8·8	25·61	− 0·14	+ 0·6	8067	8·4	25·18	− 0·09	− 2·0	8380	8·3	25·48	− 0·11	− 0·9
7687	8·0	25·61	+ 0·02	− 0·2	8073	8·9	25·68	+ 0·05	− 1·3			25·50		
7688	9·0	25·78	+ 0·03	− 0·7	8080	8·4	25·67	+ 0·18	− 2·2	8381	8·8	25·79	+ 0·17	− 1·9
7705	8·2	25·78	− 0·09	− 2·3	8082	8 8	25·84	− 0·18	− 0·4	8388*	9·6	25·96	− 0·3,	− 0·8
7712	8·0	25·64	− 0·02	− 0·5	8083	8·5	25·88	+ 0·20	− 1·1	8389*	8·3	23·09	+ 0·31	− 7·9
7727	8·8	25·77	+ 0·13	− 2·4	8086	8·5	25·41	− 0·11	− 1·1	8396	9·1	25·43	+ 0·04	− 2·1
7729	8·3	25·32	− 0·04	− 2·3	8096	9·7	25·60	− 0·24	0·0	8401*	9·0	25·97	+ 0·25	− 6·7
7734	8·7	25·28	+ 0·10	− 1·3	8100	9·0	25·32	+ 0·01	+ 0·7	8402	8·5	24·91	− 0·07	− 0·5
7739*	8·7	25·79	− 0·33	− 3·9	8106	9·2	25·60	+ 0·10	− 3·1	8403	9·3	23·19	+ 0·14	− 1·1
7744	9·0	25·10	− 0·14	− 2·3	8111*	9·1	25·87	+ 0·47	+ 0·2	8410	9·0	25·90	+ 0·14	− 1·2
7756	9·2	25·13	− 0·13	− 1·5	8113	8·6	25·88	− 0·06	− 3·5	8418	9 0	24·91	− 0·02	+ 0·9
7763	8·9	25·34	− 0·14	− 1·1	8114	8·0	25 89	+ 0·17	− 0·5	8443	9·0	23·19	− 0·17	− 2·9
7766	8·5	25·95	+ 0·07	− 2·0	8119	9·2	25·28	− 0·16	− 1·8			23·23		
7771	8·9	24·78	− 0·21	− 1·0	8122	8·3	25·39	− 0·01	− 0·7	8447	8·0	25·77	+ 0·01	− 0·9
7775	9·4	25·78	− 0·01	+ 1·0	8130	8·4	25·87	− 0·20	− 1·2	8465	9·1	24·90	− 0·02	− 0·9
7782	8·0	25·39	+ 0·09	− 1·9	8137	8·5	25·27	− 0·01	− 0·7	8471	8·5	23·40	− 0·04	+ 0·7
7797	8·8	24·88	− 0·28	− 1·5	8142	8·8	25·39	− 0·14	− 1·3	8483	8·8	25 96	+ 0·01	− 0·7
7808	8·5	25·27	− 0·02	− 0·2	8147	8·9	25·87	− 0·19	− 3·9	8487	9·3	25·87	0·00	+ 0·2
7810	9·4	25·91	+ 0·09	− 1·7	8148	7·5	25 69	+ 0·16	− 0·8	8488*	8·8	25·87	− 0·11	− 4·1
7818	9·1	25·64	+ 0·09	− 1·3	8178	9·2	25·77	+ 0·02	− 1·6	8494	9·3	25·87	+ 0·05	+ 0·4
7821	8·9	25·27	+ 0 01	− 0·4	8181	8·3	25·88	+ 0·02	− 1·1			25·88		
7834	9·0	25·86	− 0·01	+ 0·4	8188*	9·0	25·38	− 0·09	− 1·2	8498	8 6	25·92	+ 0·14	− 1·3
7841	8·7	25·63	− 0·11	0·0	8193	9 5	24·89	− 0·08	− 0·6	8502	9·1	25·96	− 0·05	− 3·2
7857	7·8	25·89	− 0·14	− 1·4	8198	8·9	25·68	− 0·10	− 0·1			25·95		
7860	9·3	24·61	− 0·07	− 1·7	8202	8·8	24·68	− 0·07	− 3·2	8512	9 0	26·00	0·00	− 0·8
7862	9·1	25·93	− 0·10	− 0·7						8524	8·8	25·35	+ 0·04	− 2·6
7863	9·2	24·81	− 0·14	− 2·7			23h					25·36		
7867	9·3	25·12	+ 0·10	+ 0·1						8533	9·5	20·93	− 0·04	− 3·0
7870	8·3	25·78	− 0·10	− 0·4	8224	9·0	25·84	0·00	− 1·0	8540	8·3	25·89	− 0·10	− 1·5
7874	8·9	25·64	− 0·06	− 0·2	8235*	8·5	24·61	− 0·22	+ 0 5			25·90		
7877	8·2	25·12	+ 0·05	− 0·9	8243*	8 0	25·60	+ 0·14	+ 0·2	8549	8·5	25·48	− 0·01	− 0·3
7884	8·3	25·31	− 0·03	− 0·5	8257	9·0	25·60	− 0 02	− 1·9			25·49		

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
			0h	
		y	s	"
3	7·4	26·96	− 0·08	− 0·2
6	9·3	24·47	− 0·01	− 1·0
16	8·5	26·83	− 0·06	− 1·8
21	9·4	25·96	0·00	− 1·7
23	8·5	26·89	− 0·18	− 0·1
24	7·0	26·50	+ 0·13	+ 0·2
29	8·9	26·84	+ 0·09	− 1·6
30	9·2	21·97	+ 0·02	+ 0·7
37	8·4	25·85	+ 0·02	− 1·6
41	8·8	26·91	− 0·12	− 1·0
43	9·7	21·87	+ 0·05	− 2·4
49	8·9	25·50	− 0·01	− 1·6
53	8·1	26·57	− 0·11	− 1·3
54	8·8	25·26	− 0·21	− 2·1
60	9·4	26·37	− 0·13	− 2·0
64	8·3	26·38	− 0·12	− 0·1
68	8·8	25·88	− 0·01	− 1·5
88	9·4	24·38	− 0·05	− 0 9
89*	8·9	26·42	− 0·29	− 3·4
92	9·4	22·00	+ 0·14	− 0·8
99	9·1	25·94	− 0·20	− 0·7
104	9·3	25·91	− 0·30	− 0·5
117	8·7	26·43	+ 0·02	− 0·9
124*	8·5	26·42	+ 0·22	0·0
128	9·3	25·85	− 0·02	− 0·5
130	9·3	21·95	+ 0·05	− 1·2
147	9·6	26·97	+ 0·04	− 0·2
150	8·0	26·40	− 0·10	− 1·9
151	9·0	26·89	− 0·16	− 0·6
166	9·0	25·33	− 0·07	− 0·9
174	9·0	26·44	− 0·02	− 2·1
176	9·1	27·15	+ 0·09	− 2·1
199*	8·7	25·86	+ 0·33	− 5·7
206	9·0	26·52	− 0·05	− 1·6
210	8·5	26·51	+ 0·13	− 1·6
217	8·5	27·04	+ 0·07	− 1·9
218	8·4	26·95	0·00	− 1·3
230	9·1	26·99	− 0·14	+ 0·5
234*	8·0	26·70	− 0·20	− 2·6
244	8·5	26·37	− 0·13	− 2·0
264	9·8	25·98	− 0·16	− 0·2
268	8·5	26·63	− 0·09	− 0·3
275	8·4	26·63	+ 0·04	− 0·6
279	9·5	25·92	− 0·03	− 2·0
281	6·7	26·56	+ 0·08	− 0·6
284	9·3	26·57	− 0·13	− 2·9
296	8·9	26·29	+ 0·08	− 2·8
298	8·1	26·67	+ 0·05	0·0
311	9·3	27·08	− 0·01	− 0·4
320*	9·3	25·92	− 0·28	− 2·8
327	9·0	25·99	+ 0·03	− 1·8
334*	8·9	26·87	− 0·23	− 2 5
			1h	
345	9·1	26·57	− 0·23	− 2·7
349	7·9	27·09	− 0·02	− 2·2
351*	9·1	27·19	+ 0·25	+ 0·1
352*	9·0	26·98	+ 1·27	0·0
354	9·4	26·39	− 0·17	− 1·1
365	8·9	26·86	− 0·05	+ 0·6
369	9·5	26·01	− 0·13	− 0·9
373	8·5	26·46	− 0·03	− 0·9
384	8·8	26·33	+ 0·05	− 0·9
385	9·2	27·18	+ 0·01	− 0·1
387	8·7	26·52	+ 0·05	− 0·8
388	8·8	26·00	− 0·05	+ 1·7
401	9·5	25·82	+ 0·09	− 1·9
412	8·3	26·59	− 0·13	− 1·6
413	9·1	26·60	− 0·04	− 0·8
424	9·0	26·99	− 0·28	− 2·4
458	8·5	26·85	− 0·04	+ 0·1
462	9·4	26·86	− 0·07	+ 0·5
468*	8·4	27·00	...	− 1·8
479	8·8	27·16	+ 0·30	− 1·2
483	8·5	26·74	+ 0·23	− 2·8
499	8·3	26·81	− 0·03	+ 0·3
507	8·8	26·81	+ 0·05	− 0·6
519	9·3	27·98	− 0·12	− 3·8
534*	8·8	27·13	− 0·26	− 3·9
555	8·6	27·05	− 0·21	− 1·8
558	8·4	27·18	− 0·10	− 2·8
568	9·2	27·13	− 0·17	− 3·6
569	8·4	27·16	− 0·07	− 2·4
574	9·0	27·15	− 0·08	− 2·2
580*	8·6	27·12	− 0·10	− 4·8
585	9·1	26·91	− 0·03	− 3·2
608	9·4	26·72	− 0·02	− 1·8
621	9·1	27·16	− 0·11	− 1·4
626*	8·5	27·16	+ 0·41	− 7·5
631	9·3	26·97	− 0·06	− 2·1
640*	9·1	26·82	+ 0·06	− 5·2
645*	7·8	26·98	+ 0·40	− 1·1
653	8·0	26·91	− 0·09	+ 0·5
657	7·0	26·79	− 0·22	0·0
658	8·4	26·91	+ 0·13	− 2·3
659*	8·3	26·96	+ 0·22	+ 0·3
			2h	
668	9·3	26·68	− 0·05	− 3·1
669	8·3	26·90	− 0·03	− 1·4
675	8·0	26·77	− 0·17	− 3·6
682	9·3	26·86	− 0·19	− 1·3
683	8·5	26·72	+ 0·21	+ 0·8
684	9·3	26·89	− 0·27	− 3·3
687	9·1	26·78	− 0·05	− 3·8
697	8·0	26·64	+ 0·07	− 3·8
705	8·8	26·90	− 0·10	+ 1·5
708	9·0	26·69	+ 0·10	+ 0·6
719	8·8	26·72	+ 0·02	− 1·7
729	8·9	26·72	+ 0·20	+ 0·9
731	7·5	26·81	− 0·01	− 1·7
738*	9·0	26·63	− 0·10	− 4·0
748	8·7	26·77	− 0·22	− 1·4
750	8·0	26·71	+ 0·01	− 0·8
777	8·8	26·64	− 0·23	− 2·0
784	9·0	26·63	+ 0·10	− 0·4
785*	8·8	26·83	− 0·24	− 3·6
804	9·2	26·63	+ 0·26	− 2·6
809*	8·9	26·82	+ 0·35	+ 4·3
812	8·8	26·64	− 0·13	− 1·3
814	8·7	26·90	− 0·06	− 1 9
826	9·5	26·82	− 0·20	− 2·3
832	7·8	26·89	− 0·12	+ 2·6
834	9·0	26·93	− 0·02	− 0·7
844	8·3	26·82	− 0·20	+ 0·4
847	8·3	26·82	− 0·22	− 1·9
877*	8·5	26·71	+ 0·83	+ 3·8
890	8·8	26·81	+ 0·06	− 2·1
899	8·0	26·72	− 0·25	− 3·1
905	9·3	26·90	− 0·13	+ 0·1
906	9·0	26·81	− 0·03	0·0
913	8·5	26·66	− 0·23	− 2·4
915	8·3	26·89	+ 0·02	− 2·1
916	9·1	26·91	− 0·07	+ 1·8
920	8·5	26·74	+ 0·03	+ 1·2
921	8·8	26·74	− 0·17	+ 0·1
928	9·3	26·64	+ 0·03	− 2·3
933*	8·4	26·74	− 0·09	− 4·5
935	8·9	26·80	− 0·02	+ 0·8
936	8·8	26·80	− 0·17	+ 0·3
950*	8·3	26·91	+ 0·04	− 7·9
958	8·0	26·64	+ 0·04	− 1·7
964	8·3	26·64	− 0·15	+ 0·5
971	8·5	26·63	+ 0·14	− 2·2
979	8·4	26·64	− 0·15	− 1·0
993	9·0	26·65	+ 0·18	+ 0·4
999*	8·3	26·64	+ 0·23	+ 1·1
			3h	
1014*	9·1	26·64	− 0·17	+ 3·9
1016*	7·8	26·91	− 0·33	− 5·6
1017	8·8	26·92	− 0·07	+ 0·9
1024	8·0	26·72	+ 0·04	+ 0·3
1029*	8·5	26·65	+ 0·75	− 2·6
1032	9·2	26·90	+ 0·04	+ 1·4
1034*	9·3	26·93	− 0 14	− 1·9
1055	8·0	26·65	+ 0·14	− 1·0
1057	8·2	26·92	+ 0·10	− 0·5
1061	8 5	26·64	− 0·16	− 1·5
1069	9·0	26·74	− 0·06	− 3·1
1078	8·9	26·64	− 0·02	0·0
1090	9·0	26·74	+ 0·09	− 1·4
1093	9·1	26·93	− 0·06	− 0·7
1112	8·6	26·95	− 0·04	+ 0·2
1123	8·2	26·90	− 0·03	− 0·9
1126	8·6	26·95	+ 0·08	− 0·3
1134*	8·8	26·82	+ 0·62	+ 1·6
1138	8·0	26·66	+ 0·11	− 2·8
1143	9·0	26·83	+ 0·04	− 1·8
1145	9·3	26·42	+ 0·15	0·0
1161*	8·8	25·50	− 0·24	− 4·2
1162	7·5	26·40	− 0·05	− 0·2
1170	8·4	25·50	− 0·02	− 0·5
1186*	8·6	25·24	− 0·10	− 6·7
1194	9·4	25·31	− 0·16	− 1·7
1198	8·0	25·83	− 0·12	− 1·3
1215	9·0	25·01	− 0·23	− 0·6
1220	7·5	26·36	− 0·01	− 2·6
1225	8·0	25·80	− 0·16	+ 1·3
1226	8·3	25·21	− 0·30	− 0·9
1241*	8·0	25·43	− 0·37	− 1·6
1249	8·2	25·99	+ 0·08	+ 0·1
1254	8·5	25·32	− 0·03	+ 1·6
1259	8·5	25·24	− 0·05	− 0·9
1263	8·5	25·49	+ 0·02	− 0·8
1268	9·0	25·62	− 0·13	+ 0·6
1270	9·1	25·90	+ 0·06	− 1·3
1275	8·6	25·01	− 0·11	− 3·0
1278	8·1	26·21	− 0·04	− 0·4
1296	9·2	25·01	− 0·23	− 0·4
1299	9·3	25·60	+ 0·13	− 0·1
1300	9·2	26·23	− 0·17	− 1·7
1301	8·5	25·51	− 0·16	0·0
1315	7·2	25·55	− 0·10	− 0·9
1321	8·0	25·49	− 0·06	− 0·5
1326	8·1	25·89	− 0·06	− 0·7
1327	8·0	25·79	+ 0·01	− 0·8
1330	9·2	25·01	− 0·14	− 0·1
1338	9·0	25·01	− 0·04	+ 0·8

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
1342	8·7	25·60	− 0.21	− 1·5
1347	8·8	25·01	− 0·05	− 1·9
			4^h	
1354	8·3	25·01	− 0·04	− 0·5
1361	9·0	25·01	− 0·15	− 0·1
1376*	8·6	25·46	− 0·41	− 2·7
1377	8·0	25·01	− 0·10	− 1·8
1384	8·4	25·03	+ 0·16	− 0·1
1388	9·1	25·31	− 0·27	+ 1·2
1398	8·5	25·32	+ 0·07	+ 0·2
1412	8·9	25·62	− 0·04	− 0·9
1415	8·6	25·30	− 0·13	− 0·1
1429	8·3	25·61	− 0·04	+ 1·5
1430	8·0	25·62	+ 0·03	− 1·7
1433	8·8	25·03	− 0·27	+ 0·1
1442	8·7	25·02	− 0·21	− 1·2
1457	9·0	25·89	− 0·13	− 0·1
1481	8·9	25·02	− 0·22	− 1·6
1483	9·0	25·89	− 0·18	− 0·6
1493	9·1	25·89	− 0·17	+ 0·2
1497	9·0	25·02	− 0·02	− 0·4
1501	9·1	25·02	− 0·36	− 1·6
1503	8·8	25·32	− 0·08	0·0
1507	8·1	25·62	− 0·12	− 0·7
1515*	9·0	25·02	− 0·06	+ 8·0
1518	8·3	25·33	− 0·25	− 1·7
1523	8·9	25·91	− 0·02	− 2·4
1524*	9·3	25·30	+ 0·14	+ 0·5
1542	8·5	25·59	− 0·11	+ 0·1
1547	8·9	25·62	− 0·14	− 0·5
1555	9·1	25·80	− 0·24	− 2·3
1580*	9·0	25·33	− 0·34	− 0·9
1582	8·6	25·88	− 0·13	− 0·8
1590*	8·1	24·99	− 0·20	− 4·0
1596	8·4	24·98	− 0·07	− 0·4
1597*	Var.	25·06	+ 0·17	+ 1·7
1610	9·0	25·11	− 0·26	+ 1·2
1616	8·1	25·04	− 0·16	+ 0·1
1619	8·6	25·03	− 0·17	− 0·2
1623*	8·3	25·04	− 0·10	− 4·2
1627	8·0	25·04	− 0·12	+ 1·6
1646	8·8	25·04	− 0·17	0·0
1653	9·2	25·08	− 0·07	+ 1·2
1656*	8·0	25·11	+ 0·01	− 0·7
1657	9·0	25·13	+ 0·04	− 0·2
1658	8·9	25·34	− 0·24	0·0
1668	8·2	25·02	− 0·11	+ 0·4
1676	8·7	25·04	+ 0·06	+ 0·2
1677*	8·8	25·07	− 0·46	− 1·3
1682	9·1	25·09	− 0·25	+ 0·9
			5^h	
1690	8·1	25·02	− 0·01	+ 0·2
1694*	8·5	25·20	− 0·25	− 5·4
1706	8·6	25·06	− 0·19	+ 1·7
1707	8·1	25·05	− 0·06	+ 0·6
1711	8·5	25·07	− 0·07	− 1·3
1722	7·8	25·04	− 0·09	+ 0·5
1723	9·0	25·07	− 0·14	− 0·8
1729	8·8	25·04	− 0·11	− 1·2
1739	7·8	25·04	− 0·09	+ 1·7
1750	9·3	25·02	− 0·12	− 0·4
1767*	8·0	25·04	+ 0·20	− 2·3
1773	8·3	25·08	− 0·22	− 1·1
1775	7·9	25·04	− 0·20	− 0·1
1787	8·9	25·11	+ 0·01	− 1·6
1799	8·9	25·10	− 0·37	+ 1·3
1832	9·3	25·04	− 0·46	+ 1·8
1835	9·6	25·03	− 0·14	− 1·5
1837	8·3	25·03	− 0·35	+ 0·6
1842*	8·5	25·08	− 0·07	+ 3·2
1848	8·0	25·04	− 0·01	− 2·3
1849	9·0	25·10	− 0·15	− 1·5
1859*	9·0	25·09	− 0·04	− 1·9
1862	8·3	25·08	− 0·28	0·0
1864	8·4	25·12	+ 0·06	− 1·9
1865	8·0	25·12	+ 0·02	+ 0·6
1874	8·0	25·09	− 0·04	+ 1·4
1895	8·5	24·98	+ 0·06	+ 2·8
1899	8·2	25·06	− 0·25	− 1·0
1911	9·4	24·99	− 0·08	+ 1·5
1916	8·8	25·06	− 0·23	+ 0·1
1921	9·0	24·95	− 0·17	+ 2·1
1924	8·5	25·09	− 0·10	+ 2·2
1925	9·4	25·13	− 0·51	− 1·7
1941	9·1	25·01	− 0·12	+ 2·5
1946*	8·5	25·08	− 0·13	− 2·7
1952	8·6	24·59	− 0·12	+ 1·0
1957	8·5	25·08	− 0·19	+ 1·2
1960	8·3	25·09	− 0·32	+ 0·5
1962	9·2	25·04	− 0·25	+ 0·4
1963	8·5	25·08	− 0·36	− 0·1
1974	9·3	25·04	− 0·24	− 0·4
1984	9·3	25·05	− 0·33	− 0·5
1987*	9·2	25·16	− 0·10	− 3·1
1992*	8·1	25·09	− 0·39	− 0·1
2011*	8·6	25·03	− 0·38	+ 2·7
2015	9·5	25·07	− 0·34	+ 0·2
2016	8·5	25·00	+ 0·01	− 0·8
2023	8·1	25·11	− 0·19	− 1·0
2026*	9·4	25·03	− 0·09	+ 3·5
2036	8·3	25·06	+ 0·09	− 1·4
2039	9·1	24·97	− 0·05	− 0·9
2041	8·4	25·13	− 0·03	− 1·1
2043	9·1	25·09	− 0·36	+ 0·1
2047	9·5	25·04	− 0·12	+ 0·1
			6^h	
2073	8·8	25·10	− 0·23	− 0·5
2084	8·5	25·00	− 0·20	− 1·0
2085	8·8	25·04	− 0·29	− 0·1
2097	8·1	25·06	− 0·21	− 0·9
2109	8·8	25·37	− 0·22	− 0·4
2112	8·8	25·07	− 0·04	0·0
2119	8·8	24·94	+ 0·02	− 3·3
2121	8·8	25·60	− 0·06	+ 1·1
2123	8·8	25·57	− 0·09	+ 0·3
2138	8·4	24·94	− 0·31	+ 1·9
2150	8·1	26·04	− 0·05	− 0·8
2156	9·3	24·95	− 0·26	− 0·7
2165	8·7	25·51	− 0·44	0·0
2172	8·4	24·96	− 0·13	+ 1·0
2174	9·3	26·08	− 0·11	− 0·8
2176	8·6	25·04	− 0·02	+ 1·4
2188	8·8	26·08	+ 0·08	+ 2·7
2189	8·3	24·97	− 0·06	− 1·0
2193	8·7	25·05	− 0·10	+ 2·4
2212	8·3	25·49	− 0·08	− 1·2
2217	8·5	24·94	− 0·17	− 1·5
2225	8·0	24·98	− 0·13	− 0·7
2260	8·3	25·01	− 0·15	+ 0·9
2263	9·0	25·01	− 0·29	0·0
2278	8·4	24·99	− 0·13	+ 0·2
2288	8·5	24·94	− 0·08	− 3·7
2289	9·0	24·96	− 0·13	+ 2·7
2304	8·8	26·09	− 0·02	− 1·1
2305	8·0	25·10	− 0·02	+ 0·3
2306	8·6	24·98	− 0·19	− 0·2
2308	8·4	24·96	− 0·36	0·0
2317	8·5	24·93	− 0·25	+ 0·2
2340	8·2	25·55	0·00	− 0·4
2345	8·0	24·96	− 0·17	+ 1·6
2347	8·6	24·97	− 0·21	− 2·9
2367	8·5	24·92	− 0·23	+ 0·2
2372	8·9	24·97	− 0·19	− 1·0
2399	8·3	24·96	− 0·16	+ 0·2
2410	9·2	25·03	+ 0·05	− 1·3
2415	9·0	24·98	− 0·37	− 0·5
			7^h	
2444	8·8	24·98	− 0·25	− 0·7
2448	8·9	25·56	− 0·14	− 2·3
2449	9·0	25·58	− 0·21	− 1·6
2460	8·8	26·08	− 0·17	− 1·6
2470	8·5	24·92	− 0·28	− 0·8
2472	8·5	24·96	− 0·37	− 1·7
2477*	8·8	26·07	− 0·15	+ 1·2
2483*	8·0	25·57	− 0·07	+19·0
2488	8·5	24·93	− 0·21	− 0·2
2492	8·0	25·38	− 0·10	− 1·2
2499	8·1	25·58	− 0·02	− 1·0
2533	9·0	24·97	− 0·08	− 1·1
2538	8·3	25·07	− 0·05	− 1·2
2539	9·4	25·09	− 0·22	− 0·4
2549	8·3	25·64	− 0·21	+ 1·2
2561	9·0	25·89	− 0·01	+ 1·6
2568	9·0	24·99	− 0·07	− 0·2
2569	8·5	25·02	+ 0·01	+ 1·9
2571	8·4	25·00	− 0·10	− 1·7
2576	8·8	24·92	− 0·28	+ 0·4
2590	8·0	24·96	− 0·21	− 1·3
2591	8·0	24·92	0·00	+ 0·3
2595	8·5	24·88	− 0·10	+ 0·3
2601	9·3	25·41	− 0·36	+ 0·3
2614*	9·0	24·88	− 0·13	+ 5·8
2617	8·5	24·92	− 0·45	− 0·6
2628	9·0	25·00	− 0·22	− 0·8
2635	9·2	25·90	− 0·31	− 0·8
2638	9·1	24·98	− 0·15	+ 0·8
2639	8·3	25·03	− 0·14	− 2·2
2644	9·2	25·02	− 0·31	− 1·2
2648	8·8	24·88	− 0·07	+ 1·5
2655	7·5	25·03	− 0·29	− 1·6
2659*	8·4	24·96	− 0·19	− 7·4
2664	9·1	25·04	− 0·30	− 0·5
2672	8·3	24·95	− 0·10	+ 0·5
2680	8·5	24·88	− 0·25	− 1·2
2696	8·0	25·06	− 0·17	− 0·3
2699	8·3	24·88	− 0·19	− 0·4
2700	8·8	24·93	+ 0·06	+ 0·2
2709*	8·7	24·91	(− 1·34)	− 0·1
2720	8·0	25·02	− 0·22	+ 2·9

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.
2709. Zero of Cordoba chronograph uncertain.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
2729	9·0	25·37	− 0·11	+ 0·8
2733	8·0	25·02	− 0·20	− 0·8
2735	7·8	25·42	− 0·14	− 1·5
2741	8·9	24·89	− 0·08	− 0·4
2753	8·4	25·05	− 0·02	− 0·5
2767	8·9	24·95	− 0·22	− 0·1
2774	8·9	24·89	− 0·12	+ 1·5
2786	8·9	24·92	− 0·17	− 1·4
2794	9·3	24·99	− 0·11	− 0·1
2796	8·4	25·08	− 0·30	+ 0·5
2805*	9·4	25·06	− 0·19	+ 0·9
2818	7·1	25·90	− 0·21	− 0·7
			8h	
2825	9·0	24·95	− 0·19	+ 0·1
2838	8·4	24·87	− 0·16	+ 0·5
2839	7·0	25·34	− 0·22	+ 0·1
2845	8·0	25·03	− 0·07	− 2·2
2855	8·0	25·03	− 0·08	− 0·4
2866	8·0	25·04	− 0·24	− 1·7
2871	7·5	25·06	− 0·22	− 1·3
2873	8·1	25·05	− 0·44	− 2·7
2886	8·7	25·37	− 0·28	− 1·7
2898	7·9	24·91	− 0·17	+ 0·1
2899	8·8	25·11	− 0·27	− 0·9
2905	9·0	24·35	− 0·17	+ 1·8
2929	8·5	25·05	− 0·29	+ 0·5
2933	8·5	25·92	− 0·33	− 0·7
2940	8·8	25·03	− 0·16	− 0·7
2953	8·8	24·97	− 0·25	− 0·7
2958	9·3	25·05	− 0·20	− 1·3
2963	8·6	24·86	− 0·39	− 0·7
2967	8·3	24·85	+ 0·03	− 2·1
2971	8·0	23·87	− 0·24	+ 0·6
2986	8·0	24·97	− 0·18	− 0·9
2992*	8·8	25·04	− 0·49	+ 1·6
3002	8·7	25·04	− 0·14	− 2·7
3005	8·8	24·87	− 0·26	− 1·8
3007*	8·3	24·85	− 0·50	− 0·6
3011	8·8	25·07	− 0·13	− 1·0
3015	8·8	25·09	− 0·22	− 0·9
3032	8·8	25·09	− 0·33	− 1·1
3041	9·1	24·86	− 0·20	− 0·8
3045	8·6	24·39	− 0·31	+ 1·4
3055	8·5	25·01	− 0·20	− 0·2
3058	8·2	25·04	− 0·30	− 1·2
3068	9·2	24·87	− 0·05	− 1·8
3083	9·3	25·04	− 0·28	+ 0·5
3088	8·0	25·04	− 0·47	+ 0·6
3097	8·8	24·84	− 0·16	− 1·2
3103	8·3	24·40	− 0·03	− 1·3
3112	8·9	24·99	− 0·13	− 0·3
3116	8·6	25·06	− 0·27	+ 0·7
3117	7·0	24·87	− 0·22	− 2·9
3131	8·4	24·97	− 0·24	+ 0·3
3132	9·0	24·37	− 0·03	+ 0·3
3145	9·3	24·97	− 0·40	0·0
3148	9·3	23·91	+ 0·03	− 1·5
3158	8·6	25·02	− 0·17	− 0·3
3160	9·1	24·38	− 0·16	− 0·2
3165	8·9	24·86	− 0·18	− 2·4
3171	9·5	23·87	− 0·23	− 0·8
3173	9·1	25·01	− 0·18	− 1·6
3178	7·8	25·07	+ 0·05	− 1·2
3198	9·0	24·39	− 0·06	+ 0·8
3199	9·3	24·89	+ 0·08	+ 0·2
3202	8·7	25·00	− 0·18	+ 2·2
3213	8·8	23·88	− 0·18	− 2·0
			9h	
3217	8·7	24·87	− 0·10	− 0·8
3224	8·5	23·79	− 0·11	− 0·1
3228	8·6	24·38	− 0·18	+ 0·2
3232	8·8	24·87	− 0·22	− 0·9
3241	9·1	24·85	− 0·18	− 0·6
3247	8·7	24·91	− 0·33	− 0·9
3252*	8·1	25·01	− 0·28	− 2·6
3254	8·7	24·85	− 0·13	− 0·4
3257	8·8	24·37	− 0·02	− 1·4
3261	9·1	24·98	− 0·17	− 0·6
3267	8·4	24·53	− 0·09	− 1·1
3269	8·5	24·87	− 0·20	+ 0·4
3270	8·9	23·86	− 0·13	− 1·5
3271	8·7	23·89	− 0·23	+ 0·8
3285	9·1	24·99	− 0·34	− 1·5
3289	8·7	24·92	− 0·07	− 0·3
3295	8·9	24·96	− 0·17	+ 0·5
3301	7·8	24·91	0·00	− 0·9
3313	9·5	23·87	− 0·02	+ 0·5
3323	8·7	24·91	− 0·18	+ 0·1
3325	8·9	24·44	− 0·28	− 1·8
3336	8·5	24·66	− 0·06	− 2·0
3337	8·4	25·43	+ 0·01	− 0·9
3341	8·0	34·92	− 0·16	− 1·0
3342	9·1	25·43	− 0·11	− 1·0
3343	8·8	24·45	− 0·21	− 0·3
3347	9·0	25·02	− 0·33	− 0·6
3357	9·5	24·98	− 0·13	− 1·2
3358	9·3	25·27	− 0·20	− 1·4
3365	8·9	25·43	− 0·23	− 0·2
3370	8·8	24·99	− 0·03	+ 0·1
3372	8·1	24·47	− 0·18	+ 0·1
3378	9·5	24·98	− 0·31	− 2·7
3379	8·5	25·48	− 0·02	− 0·3
3382	9·0	26·11	0·00	− 3·0
3390	9·1	24·98	− 0·20	− 1·4
3394	8·1	24·38	+ 0·08	− 1·7
3397	8·5	26·09	− 0·10	+ 0·8
3421	8·9	25·04	− 0·25	− 1·1
3422	7·9	24·97	+ 0·05	− 1·8
3459	9·3	25·11	− 0·31	− 0·4
3460*	9·0	24·47	− 0·19	− 1·8
3462	9·5	26·04	− 0·06	− 1·2
3480	8·4	26·10	− 0·13	− 1·6
3488*	8·9	25·07	+ 0·37	+ 1·0
3499	8·2	24·47	0·00	− 1·8
3500	8·5	26·04	− 0·09	− 0·8
3503	8·0	25·09	− 0·16	− 2·3
3511	9·4	24·48	− 0·22	− 1·7
3520	8·0	24·50	− 0·05	− 0·4
3524	8·0	25·04	− 0·03	− 2·7
3525	8·3	25·08	− 0·09	+ 0·3
3529	8·8	25·03	− 0·15	− 0·9
3530*	9·1	23·89	+ 0·09	+ 2·1
3532	9·4	26·11	+ 0·05	− 2·1
3542	9·0	26·09	+ 0·04	− 1·3
3555	8·3	26·09	+ 0·09	− 2·5
3562	8·6	24·41	− 0·20	+ 0·2
3566	9·0	26·12	− 0·22	− 1·5
3568	8·3	24·44	− 0·11	− 1·3
3579*	8·6	25·04	− 0·34	− 3·3
3583	8·1	25·38	− 0·20	− 2·9
3590	8·5	25·04	− 0·16	− 0·3
3593	8·8	26·11	+ 0·10	+ 0·2
3595	9·3	25·08	− 0·17	− 1·5
3599	8·8	24·64	− 0·27	+ 0·9
3603	8·5	25·08	− 0·02	− 0·1
3618	9·1	25·60	− 0·20	− 1·3
			10h	
3631	8·0	25·08	− 0·20	− 1·4
3633	9·0	25·01	− 0·35	− 1·4
3634	8·5	25·07	− 0·16	− 1·2
3644	9·3	25·56	− 0·22	− 0·6
3648*	8·0	23·88	− 0·45	− 0·2
3663	9·2	25·95	− 0·07	+ 1·6
3665	8·4	24·61	− 0·02	− 1·4
3668	8·9	24·94	− 0·15	0·0
3689	8·3	25·97	− 0·01	0·0
3694	8·4	24·69	+ 0·03	− 0·6
3697	8·1	24·91	− 0·06	− 0·8
3701	9·0	24·99	− 0·32	− 0·8
3706	8·3	24·96	− 0·12	− 0·6
3718	9·6	23·83	− 0·20	− 0·4
3720	8·4	25·07	− 0·25	− 1·5
3730	8·5	24·90	− 0·07	− 0·8
3734	8·1	25·04	− 0·03	− 0·7
3740*	8·2	25·46	− 0·64	+ 1·4
3746	9·3	25·01	+ 0·03	− 1·9
3752	9·2	23·88	− 0·28	− 0·9
3761	8·5	25·00	− 0·11	− 0·3
3770	8·6	24·44	− 0·19	− 0·8
3773	8·3	25·01	− 0·19	− 0·5
3781	8·6	25·04	+ 0·08	− 1·7
3793	8·4	23·87	− 0·19	+ 0·5
3796	8·9	24·98	− 0·26	− 0·6
3798*	9·8	25·03	− 0·58	− 2·0
3799	8·5	25·02	+ 0·04	− 3·2
3813	8·5	24·98	− 0·03	− 1·3
3821	8·9	24·99	− 0·28	− 0·7
3822	8·1	25·00	− 0·14	− 1·5
3828	9·5	23·84	− 0·24	− 0·1
3837	8·7	24·97	− 0·15	− 1·0
3850	8·9	24·92	− 0·14	− 1·2
3858	8·4	23·86	− 0·13	− 1·4
3859	8·5	24·90	− 0·18	− 1·6
3860	9·1	25·05	+ 0·04	− 0·4
3868*	8·4	23·84	+ 0·60	− 1·1
3877	8·7	25·00	− 0·17	− 1·6
3886	8·5	25·01	− 0·07	+ 0·4
3888	8·3	25·02	− 0·06	+ 1·4
3896	8·9	24·89	− 0·10	− 2·8
3900	8·8	25·01	+ 0·02	− 2·8
3910	8·3	25·00	− 0·17	− 0·7
3918	8·8	24·99	− 0·30	− 0·7
3922	8·8	24·93	− 0·22	− 3·7
3925	9·0	23·86	+ 0·06	− 2·7
3940	8·9	23·84	− 0·11	− 2·2
3945	8·8	24·92	− 0·10	+ 0·7
3946	8·8	25·00	− 0·18	+ 0·4
3955*	9·4	23·85	− 0·02	− 4·3
3961	8·8	25·05	− 0·16	− 1·9
3964	8·9	24·93	− 0·23	− 2·7
3965	8·5	23·92	− 0·11	− 1·6
3967	8·0	24·99	− 0·01	− 1·1
3974	8·5	25·01	− 0·13	− 1·6
3975	9·3	25·06	− 0·36	+ 1·2
3984	8·5	24·97	− 0·26	− 0·7

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
			11h	
		y	s	″
3995	9·3	25·00	− 0·32	− 0·1
3998	8·3	23·89	− 0·17	− 0·7
4005	7·3	24·98	− 0·28	− 1·3
4021	9·1	25·00	− 0·03	− 0·1
4025*	9·1	24·52	− 0·15	+ 0·1
4039	9·2	24·98	− 0·05	− 0·2
4058	8·6	24·45	− 0·35	− 1·4
4061	9·1	25·49	− 0·11	− 3·4
4068	8·7	24·97	− 0·36	− 0·6
4069	8·1	24·49	− 0·25	− 1·0
4072	8·8	25·99	− 0·20	− 0·6
4073	9·0	24·75	− 0·17	− 1·7
4086	8·0	24·98	− 0·02	− 0·2
4095	9·0	25·02	+ 0·02	+ 0·4
4096	9·4	24·00	− 0·13	− 1·0
4119	9·3	25·07	− 0·07	− 1·2
4121	8·8	24·98	− 0·35	+ 0·8
4126	8·9	24·98	− 0·22	− 2·0
4140	8·3	24·47	− 0·24	− 1·2
4145	8·8	25·04	+ 0·04	− 0·8
4148	9·0	25·96	− 0·18	− 2·2
4151	9·1	24·50	− 0·19	− 0·4
4152*	8·5	25·99	− 0·06	− 3·3
4156	8·7	24·47	+ 0·02	− 0·3
4164	9·4	24·50	− 0·29	− 1·6
4167	8·8	25·07	− 0·17	− 1·8
4170	8·9	24·93	− 0·13	− 0·1
4177*	8·0	23·92	− 0·47	+ 0·8
4178*	8·3	26·00	− 0·86	− 4·2
4185	8·8	24·99	+ 0·11	− 0·7
4189	9·3	24·47	− 0·27	+ 1·5
4196	8·5	25·96	− 0·18	− 1·5
4210	8·5	24·45	− 0·31	+ 0·5
4218	8·3	26·05	− 0·29	− 3·1
4220*	8·8	25·97	− 0·13	− 0·6
4229*	8·5	23·97	− 0·49	+ 2·2
4232	8·6	25·95	− 0·17	− 1·7
4246	8·6	23·94	− 0·21	− 1·7
4260	8·8	23·95	− 0·34	+ 0·2
4264	8·0	23·91	− 0·22	+ 0·5
4269*	8·5	23·92	− 0·40	+ 2·2
4274	8·2	23·96	− 0 37	+ 1·5
4284*	7·5	23·92	− 0·10	+ 1·2
4291	8·3	23·91	− 0·38	− 1·5
4311	8·9	23·95	− 0·27	+ 1·4
4314	8·2	24·00	− 0·17	+ 0·4
4319*	8·0	23·94	− 0·47	− 0·9
4346	9·2	23·97	− 0·19	− 2·8
4349*	9·0	23·91	− 0·68	− 0·8
			12h	
4370*	9·0	23·93	− 0·32	+ 1·9
4371*	8·8	23·97	− 0·21	+ 0·8
4374	8·5	23·98	− 0·34	− 1·4
4378	8·8	23·96	− 0·15	− 1·9
4389*	9·0	23·93	− 0·55	− 1·7
4393*	8·3	23·92	− 0·65	− 1·4
4402	8·5	23 97	− 0·12	− 1·6
4405*	8·6	23·96	− 0·20	+ 3·1
4414	9·0	23·92	− 0·13	− 1·1
4427	9·0	23·96	− 0·24	− 1·9
4437	9·5	23·96	− 0·17	− 1·6
4443	8·6	23·95	− 0·27	− 0·2
4463	8·0	23·97	− 0·15	+ 1·1
4464*	8 6	24·04	− 0·44	+ 1·8
4467	8·7	23·92	− 0·16	− 1·0
4471	8·0	23·98	− 0·16	− 2·0
4503*	8·7	23·93	− 0·57	− 0·4
4508	9·3	23·97	− 0·16	− 0·5
4516	9·0	23·96	+ 0·01	− 0·2
4526*	9·4	23·93	− 0·35	+ 1·9
4541	9 3	23·94	− 0 28	− 0·3
4547	8·9	23·99	− 0·37	− 0·5
4568	8·9	23·95	− 0·04	+ 0·4
4572	8·3	24·01	− 0·30	− 1·4
4576*	8·8	26·04	− 0·41	+ 0·3
4588	8·5	24·03	− 0·25	− 0·4
4606*	7·3	24·93	− 0·94	− 3·2
4612	8·9	26·04	− 0·06	− 1·3
4618	8·7	26·00	− 0·25	− 2·9
4620	9·0	24·00	− 0·05	− 2 4
4632	7·8	24·98	− 0·31	− 1·5
4634	8·0	25·02	− 0·22	− 2·2
4637	7·9	24·68	− 0·21	− 0·3
4645	8·9	24·96	− 0·19	− 0·9
4660	8·6	23·94	− 0·22	0·0
4664*	8·8	23·92	− 0·80	− 0·3
4677	8·7	26·10	− 0·13	− 1·7
4685*	9·5	26·08	− 0·17	− 3·7
4699*	9 2	23·93	− 0·45	+ 0·8
4708*	8·8	26·01	+ 0·14	− 2·0
4710	9·2	23·96	− 0·16	− 0·5
4711	8·3	26·10	− 0·05	− 0·7
4713	8·3	24·95	− 0 24	− 1·0
4719*	9·4	23·90	− 0·45	− 0·1
			13h	
4731	8·6	26·04	− 0·22	− 1·8
4732	7·4	23·94	− 0·32	− 0·3
4738*	9·1	26·05	− 0·68	− 2·7
4739	8·0	26·06	− 0·10	− 0·2
4745	8·9	23·90	− 0·23	− 1·7
4749	8·3	25·03	− 0·34	− 1·6
4756	9·6	23·98	− 0·28	+ 0·4
4762	9·1	26·07	− 0·15	− 1·2
4777	8·5	26·04	− 0·27	− 2·5
4781	8·4	26·13	− 0·13	− 2·2
4796	8·7	24·95	− 0·19	− 1·7
4799	9·5	23·96	− 0·27	− 3·2
4807	8·5	26·03	− 0·16	− 2·5
4816*	8·4	26·08	− 0·39	− 2·8
4842	8·3	24·02	− 0·25	− 1·6
4847	7 8	24·01	+ 0·04	− 0·3
4852	8·0	26·10	− 0·10	+ 0·1
4875	9·5	26·03	− 0·33	+ 0·3
4878	8·3	25·01	− 0·07	− 2·2
4881	8·8	25·01	− 0·23	− 1·6
4895*	9·0	23·96	− 0·36	+ 1·2
4901	7·5	23·97	+ 0·02	+ 0·7
4910	7·9	26·10	− 0·01	− 0·4
4928	9·0	26·14	− 0·03	− 2·3
4929	8·0	26·15	− 0·28	− 0·9
4932	8·0	26·06	− 0·14	− 2·0
4944	8·3	25·01	− 0·06	− 1·4
4947	8·3	25·42	− 0·16	− 1·7
4963	8·5	23·95	− 0·23	− 2·1
4986	9·2	23·95	− 0·32	+ 1·4
4992	8·9	25·01	− 0·07	+ 0·2
4996	8·1	24·01	− 0·22	− 0·3
4997	8·3	24·04	− 0·10	− 1·9
4998*	8·4	24·99	− 0·34	− 1·5
5004	8·4	24·63	− 0·30	− 1·0
5012*	8·3	25·09	− 0·15	− 4·6
5023	8·3	23·96	− 0·33	+ 0·4
5046	8·7	23·97	+ 0·01	+ 1·4
5052	8·9	23·96	− 0·09	− 0·4
5059*	8·3	25·00	− 0·40	− 0·9
5061	9·3	24·94	− 0·13	− 0·3
5064	8·8	23·98	− 0·14	− 0·8
5078	8·0	25·17	− 0·30	− 1·5
5080	9·2	25·83	− 0·28	− 1·0
5083	8·0	25·30	− 0·17	− 1·8
5084	9·0	23·92	− 0·19	− 0·7
			14h	
5088	9·1	25·89	− 0·24	+ 1·7
5109	7·9	25·85	− 0·27	− 1·9
5113	8·6	25·91	+ 0·02	− 0·7
5116*	8·3	23·96	+ 0·24	+ 0·5
5117	8·6	25·82	− 0·28	+ 0·1
5125	9·1	24·99	− 0·21	− 0·9
5145*	9·3	25·91	− 0·46	+ 1·7
5148*	9·1	23·93	− 0·24	− 3·8
5151	8·6	25·32	− 0·09	− 1·0
5157	8·0	25·87	− 0·15	− 0·2
5161	7·8	25·92	− 0·33	− 0·7
5164*	9·4	23·91	+ 0·11	− 1·0
5174	7·5	25·92	− 0·07	− 0·3
5176	8·6	25·86	− 0·06	+ 0·7
5177	8·8	23·94	− 0·28	− 0·3
5192	8·9	24·99	− 0·23	− 1·1
5203	8·5	23·94	− 0·17	− 1·7
5207	8·5	23·92	− 0·20	− 1·3
5210*	9·0	25 86	− 0·27	+ 2·6
5215*	8·0	25·87	− 1·00	+ 1·7
5221	9·5	25 88	− 0·21	− 0·3
5224	8·4	23·92	− 0 12	− 1·0
5233	9·3	25·90	− 0·11	− 1·6
5236	8·5	23 91	− 0·24	− 0·9
5237	8·4	23·96	− 0·10	− 0·2
5242*	8·8	25·88	− 0·47	− 0·8
5253	8·3	23·90	− 0·09	− 0·9
5267	9·0	25·83	− 0·33	− 0 7
5271	9·0	25·92	− 0·36	− 0·9
5287*	9·2	25·84	− 0·46	− 1·4
5289	9·0	25·88	− 0·12	+ 0·3
5293	7·5	25·91	− 0·20	− 0·3
5296	9·2	23·91	− 0·11	− 1·1
5303	8·5	25·89	− 0·28	− 0 2
5306	8·7	23·93	+ 0·03	− 0·1
5307	8 1	23·96	− 0 19	− 1·9
5308*	9·1	25·89	− 0·39	− 0·3
5313	9·5	25·91	− 0·18	+ 1·6
5314	8·5	25·88	− 0·16	− 0·6
5317	9·3	23·96	− 0·20	− 1·4
5330*	8·1	23·93	− 0·10	− 2·9
5335	9·3	24·90	− 0·21	− 0·6
5345	8·4	25·92	− 0·13	− 0·1
5354	9·1	23·94	− 0·19	− 1·5
5358	8·8	25·96	− 0·23	+ 1·3
5368	9·3	25·92	− 0·36	− 0·4
5369	8·6	23·99	− 0·11	− 0·9
5374	9·5	25·86	− 0·19	− 0·1
5382	9·1	25·86	− 0·23	+ 0·9
5390	9·1	25·91	− 0·23	− 0·3
5393	8·0	25·88	− 0·25	− 1·5
5396*	8·1	23·93	− 0·40	− 1·3
5399	8·3	24·90	− 0·25	− 0·7
5401*	8·4	25·92	− 0·52	− 0·7

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
5405*	8·8	25·88	− 0·22	− 2·7
5414	8·6	25·85	− 0·29	− 0·1
5417	9·3	25·89	− 0·11	− 0·7
5423	9·1	23·98	− 0·12	− 1·7
5426*	9·3	23·94	− 0·50	− 1·0
5433	8·0	25·91	− 0·30	− 1·1
5434	8·5	25·88	− 0·08	− 2·2
5446	8·3	25·86	− 0·23	− 2·1
5447*	8·5	23·95	− 0·18	−14·0
5448	9·3	23·95	− 0·03	− 0·3
			15h	
5457	9·7	25·90	− 0·26	+ 0·9
5462	8·9	24·54	− 0·13	− 0·9
5465	8·8	25·88	− 0·27	− 1·0
5468	9·0	23·95	− 0·17	− 0·2
5471*	8·8	23·85	− 0·11	+ 2·3
5473	8·2	25·93	− 0·03	− 1·0
5484	8·9	23·86	+ 0·08	+ 1·4
5487	9·2	25·94	− 0·04	+ 0·8
5488	9·5	25·90	− 0·26	− 1·4
5489	8·6	24·90	− 0·27	+ 0·4
5493	8·5	25·91	+ 0·02	− 0·4
5496	9·0	23·94	− 0·27	− 1·9
5502	8·0	23·85	− 0·12	− 0·5
5511	8·0	25·86	− 0·01	− 0·8
5517*	8·0	23·85	− 0·59	+ 1·6
5521	9·1	23·99	− 0·07	− 1·4
5526	9·1	23·86	− 0·02	− 0·6
5528	9·0	25·92	− 0·18	− 1·5
5530	8·9	23·89	− 0·03	− 1·4
5540	9·2	23·86	− 0·04	+ 1·6
5550	8·8	25·91	− 0·17	+ 0·4
5552	9·0	25·91	− 0·20	− 0·8
5557	9·3	23·89	− 0·16	+ 1·8
5559	8·8	25·92	0 00	− 1·9
5566	8·3	23·92	− 0·19	+ 0·9
5574	8·8	25·92	− 0·15	− 0·3
5583	8·6	25·87	− 0·33	− 1·3
5585	9·0	25·91	− 0·02	− 0·2
5589	7·9	25·92	− 0·15	− 3·0
5599	9·6	23·96	− 0·24	+ 2·3
5600	8·7	25·88	− 0·08	− 0·2
5601	8·8	23·91	− 0·05	+ 1·2
5607	9·4	23·86	− 0·23	− 2·8
5617	8·7	23·94	− 0·18	+ 0·8
5620	8·9	23·89	+ 0·13	− 0·5
5622	9·8	23·80	− 0·35	− 0·2
5626	9·0	25·25	− 0·19	− 1·8
5637	9·1	23·97	− 0·01	+ 1·2
5650	8·5	23·90	− 0·12	− 0·8
5653	8·5	24·61	− 0·15	+ 0·2
5654	9·3	23·86	+ 0·02	− 0·3
5655	8·9	23·90	− 0·05	+ 1·6
5657	8·8	23·94	− 0·24	+ 1·3
5667	9·3	23·86	+ 0·10	+ 1·1
5670	8·8	23·97	− 0·03	+ 1·2
5675	8·0	24·58	− 0·18	+ 1·1
5677*	9·6	24·01	− 0·34	− 3·9
5682	8·8	23·92	+ 0·09	+ 0·1
5691	9·2	23·90	− 0·09	+ 1·6
5694	8·0	23·97	− 0·20	− 0·4
5700*	8·8	23·85	− 0·49	+ 0·4
5704*	8·7	23·80	− 0·39	+ 0·2
5710	7·5	23·98	− 0·36	+ 0·6
5714*	8·3	23·98	− 0·45	− 3·5
5722	9·0	23·90	− 0·33	+ 1·0
5725	9·5	23·90	− 0·30	− 0·7
5729	7·7	24·52	− 0·04	− 0·9
5738	8·5	23·99	+ 0·03	+ 0·7
5743	8·0	24·54	− 0·14	− 1·6
5744	9·1	23·94	− 0·15	− 2·2
5748	8·0	23·88	+ 0·05	− 0·7
5752	8·1	23·94	− 0·09	0·0
5757	9·0	23·88	− 0·15	− 1·6
5761	8·5	24·89	− 0·23	− 1·1
5769	8·6	23·96	− 0·27	− 0·7
5774	8·9	23·90	− 0·02	− 0·9
5776	8·7	23·89	− 0·15	− 1·2
5782*	8·7	24·89	− 0·32	− 2·7
5783	8·3	24·60	− 0·26	− 1·2
5790	8·4	23·92	− 0·14	− 0·9
5797	9·2	23·92	− 0·15	− 2·8
5801	9·1	23·83	− 0·29	− 2·1
5802	9·1	24·02	− 0·07	− 0·5
5809	8·6	24·90	− 0·18	− 1·7
5817	8·7	23·88	+ 0·07	− 0·7
			16h	
5826	9·0	24·54	− 0·15	− 0·1
5834	9·5	23·86	− 0·23	− 0·9
5836*	8·0	24·87	− 0·23	− 1·9
5842	8·6	23·89	− 0·02	− 2·0
5848	8·5	23·86	− 0·10	− 1·9
5852	8·2	23·94	− 0·14	− 1·9
5854	8·4	23·93	− 0·15	− 1·1
5855	9·0	23·85	− 0·30	− 0·3
5858	8·1	23·86	− 0·15	− 2·2
5866	8·4	23·86	− 0·14	− 0·8
5869	9·3	24·00	− 0·27	− 0·2
5878	8·5	23·99	− 0·20	− 1·0
5880	8·2	23·94	− 0·15	− 1·8
5882	8·5	24·90	− 0·20	− 1·2
5885	8·4	23·97	− 0·03	− 0·9
5887*	9·1	23·93	− 0·17	− 3·5
5893	8·8	24·61	− 0·14	− 0·4
5908	8·4	23·90	− 0·24	+ 0·1
5924	7·5	23·86	− 0·03	− 2·8
5926*	9·3	23·86	− 0·17	+ 2·1
5931	8·1	23·90	− 0·08	− 0·2
5937	9·0	23·97	− 0·26	− 0·9
5939	9·4	23·86	+ 0·04	− 1·2
5945*	9·0	23·95	− 0·35	− 2·7
5955	9·1	24·00	− 0·18	− 2·3
5957	8·1	24·59	− 0·08	+ 0·1
5961	8·4	23·86	− 0·01	− 0·1
5962	9·4	23·89	+ 0·03	+ 1·6
5970	8·9	23·90	+ 0·05	− 0·2
5976	8·5	24·54	− 0·19	− 0·8
5980	8·8	23·94	+ 0·04	− 2·8
5986	9·4	23·99	− 0·06	+ 0·8
5994	8·9	24·53	− 0·02	− 2·1
5995	9·0	23·91	+ 0·02	− 1·0
5998	9·4	23·94	− 0·12	− 0·5
6000	8·5	23·90	− 0·12	− 1·3
6008*	8·3	24·87	+ 0·16	− 4·4
6026*	8·8	23·96	− 0·11	− 1·2
6030	9·3	23·99	+ 0·03	+ 1·8
6037	9·1	23·88	+ 0·02	− 1·8
6042	8·2	23·90	− 0·16	− 1·5
6043	8·8	23·91	− 0·18	+ 1·2
6051	9·4	23·87	− 0·19	− 2·3
6053	8·3	24·56	− 0·11	− 1·7
6063*	9·7	23·87	− 0·36	− 1·0
6064	8·1	23·92	− 0·10	− 1·1
6068*	7·9	23·91	+ 0·26	− 0·8
6072	8·9	23·89	− 0·17	− 0·5
6081*	8·6	23·88	+ 0·19	+ 2·1
6086	8·8	23·93	− 0·03	− 2·0
6093	8·5	24·53	− 0·05	− 1·7
6099	7·9	23·88	− 0·05	− 1·2
6110	9·0	23·93	− 0·19	− 0·9
6111	9·3	24·88	− 0·16	− 1·2
6113*	8·7	23·91	− 0·34	− 0·4
6125	8·2	23 88	− 0·16	− 1 0
6126*	9·0	24·00	− 0·10	− 3·4
6134	9·0	24·92	− 0·17	− 1·9
6136	8·8	23 95	+ 0·02	− 0·8
6139	9·3	23·92	− 0·18	− 0·1
6154	9·5	23·91	− 0·05	− 2·0
6157	8·3	23·91	+ 0·03	− 0·7
6159*	9·3	25·91	− 0·37	− 2·7
6165	8·8	23·93	+ 0·08	− 1·2
6168	8·6	23·92	0·00	− 2·5
6174*	8·9	23·90	− 0·14	− 4·5
			17h	
6184	9·0	23·91	− 0·17	− 1·7
6189	8·5	26·01	− 0·27	− 2·0
6205*	9·3	25·95	− 0·17	− 3·8
6206	9·1	23·94	− 0·08	+ 0·1
6211	8·2	23·97	− 0·28	− 0·9
6215	8·8	23·90	0·00	− 2·3
6227	8·5	23·94	+ 0·12	0·0
6252*	8·6	25·83	− 0·59	− 1·3
6256*	8·8	23·95	− 0·06	− 3·5
6260	8·1	23·94	− 0·05	− 1·3
6262	9·5	23·85	− 0·13	− 0·4
6268*	8·0	23 84	+ 0·40	− 3·2
6270	8·5	25·94	− 0·19	− 1·7
6284	8·3	23·88	+ 0·01	− 1·6
6296	8·8	23·96	+ 0·01	− 2·8
6300	8·4	23·86	0·00	+ 1·1
6301	8·8	25·94	− 0·11	− 1·9
6302	9·2	24·05	+ 0·03	− 0·2
6320	8·6	25·84	− 0·05	− 1·8
6325	8·2	24·87	− 0·09	+ 0·1
6333	9·4	23·95	− 0·34	− 0·2
6340	8·8	23·90	+ 0·10	− 1·5
6344	9·1	25·96	− 0·32	− 2·5
6346	8·7	25·96	− 0·25	− 2·8
6359	9·5	23·95	− 0·08	− 1·5
6360	9·1	23·96	− 0·23	− 0·9
6367*	7·8	23·96	+ 0·18	− 3·1
6369	9·1	25·84	− 0·16	− 0·7
6375	9·7	24 86	− 0·13	− 0·6
6377	8·3	24·66	− 0·34	− 1·1
6386	9·3	25·79	− 0·33	− 2·2
6387	8·3	23·81	+ 0·11	− 2·4
6388	8·9	23·97	− 0·27	− 1·8
6390	8·9	24·83	− 0·25	+ 0 8
6406	8·7	25·61	− 0·15	− 0·2
6421*	8·5	25·75	− 0·13	− 3·2
6439	9·6	25·83	− 0·31	− 2·3
6440	9·0	25·61	− 0·05	− 1·1
6444	8·7	25·61	− 0·21	+ 0·3
6460	9·3	25·61	− 0·07	− 1·2
6471	9·0	25·67	0·00	− 2·1
6483	9·0	25·70	− 0·05	− 1·1
6484	8·0	25·77	− 0·17	− 0·9
6487	8·5	25·85	− 0·33	− 2·4

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
6509	8·5	25·60	− 0·28	− 1·1
6511	9·3	25·86	− 0·27	− 1·1
			18h	
6521	7·8	25·60	− 0·32	− 3·1
6524	9·1	25·69	− 0·12	− 0·6
6539	8·3	25·70	− 0·15	− 0·9
6544	9·1	25·60	− 0·27	+ 0·7
6547	9·5	25·70	− 0·17	+ 0·6
6562	8·9	25·70	− 0·07	− 0·4
6569	8·3	25·83	− 0·05	− 1·8
6575	8·3	25·62	− 0·20	− 0·6
6586	7·7	25·60	− 0·11	+ 0·2
6593	8·6	25·60	− 0·04	− 1·0
6604	9·1	25·60	− 0·10	− 0·5
6606	8·7	25·70	− 0·25	− 1·8
6610	9·5	25·84	− 0·23	− 1·7
6623	8·8	25·62	− 0·12	− 1·8
6630	8·8	25·84	− 0·20	− 0·6
6642	9·0	25·60	− 0·16	+ 0·9
6654*	8·2	25·67	− 0·11	− 4·0
6658	8·6	25·69	− 0·06	− 0·3
6665	9·4	25·62	− 0·08	+ 1·2
6669	8·3	25·63	− 0·17	+ 0·6
6676	8·0	25·60	− 0·09	− 1·3
6678	8·3	25·85	+ 0·06	− 1·1
6684	8·9	25·79	− 0·07	− 1·4
6690	8·6	25·66	− 0·11	− 0·5
6701	8·3	25·79	− 0·03	+ 0·7
6707	8·2	25·70	− 0·17	− 2·6
6712	8·7	25·62	− 0·20	− 1·4
6729	8·9	25·58	− 0·28	+ 0·3
6730	8·8	25·66	− 0·23	− 0·2
6735	8·1	25·85	− 0·34	− 3·3
6755	8·5	25·62	− 0·29	− 0·4
6763	8·6	25·76	− 0·03	− 2·7
6771	8·8	25·61	− 0·02	− 0·3
6781	8·3	25·62	− 0·27	+ 1·1
6787	8·1	25·62	− 0·18	− 0·7
6793	8·5	25·62	− 0·30	− 0·6
6795	8·1	25·85	− 0·08	− 1·2
6823	8·5	25·62	− 0·17	+ 0·3
6833*	8·6	25·64	− 0·44	− 2·4
			19h	
6866	8·3	25·61	− 0·27	− 2·2
6871	9·3	25·68	− 0·10	+ 0·1
6874	8·4	25·77	− 0·06	− 1·7
6875	8·9	25·68	− 0·13	− 0·1
6879	8·8	25·82	− 0·20	− 1·9
6892	8·6	25·92	− 0·02	− 1·0
6893	8·5	25·94	− 0·23	+ 0·1
6894	8·7	25·69	− 0·13	− 3·2
6903	7·8	25·77	− 0·16	− 0·9
6907	8·9	25·84	− 0·21	− 1·1
6912	8·1	25·93	− 0·13	− 0·7
6917	8·7	25·82	− 0·12	− 1·8
6925	9·3	25·73	− 0·03	+ 0·3
6929	8·6	26·00	− 0·04	− 0·7
6935	8·8	25·73	− 0·11	+ 0·6
6948*	9·0	25·98	− 0·19	− 3·6
6960*	9·0	25·74	− 0·41	− 1·2
6969	9·3	25·96	− 0·28	+ 0·2
6972	8·8	25·99	− 0·10	+ 2·2
6988	8·1	25·97	− 0·19	− 1·5
6989	8·9	25·99	− 0·06	− 2·0
6992	7·9	25·96	− 0·23	− 0·7
7008	8·0	25·91	− 0·06	− 0·2
7012	9·0	26·02	− 0·19	− 2·6
7017	8·6	25·90	− 0·07	− 1·9
7031*	9·4	25·98	− 0·23	− 3·9
7034	8·6	25·72	− 0·10	− 3·2
7035	7·5	25·97	− 0·11	+ 0·9
7042	8·7	25·74	+ 0·01	− 2·3
7051*	8·0	25·74	− 0·54	− 1·3
7054	8·5	25·81	+ 0·06	− 0·1
7056	7·8	25·90	+ 0·10	− 1·2
7060	9·0	25·82	+ 0·01	− 2·2
7065	8·3	25·90	− 0·17	− 2·8
7066	8·3	26·41	+ 0·01	− 0·7
7078	8·6	25·74	− 0·08	− 0·8
7086	9·4	25·98	− 0·24	− 2·1
7091	8·2	25·75	− 0·20	− 2·4
7117	8·9	25·97	− 0·05	− 0·9
7119	8·7	25·82	− 0·22	+ 0·1
7128	7·8	25·81	− 0·18	− 0·9
7133	9·3	25·99	− 0·29	− 0·8
7134*	8·9	25·99	− 0·36	− 7·5
7136*	8·8	25·98	− 0·28	+ 2·3
7147*	9·5	25·98	− 0·30	− 4·0
7151	7·9	26·39	− 0·18	+ 0·4
7154	8·4	25·98	− 0·25	− 0·2
7161	9·4	25·96	− 0·29	+ 0·3
7170	9·0	25·93	− 0·28	− 1·5
7177*	8·7	26·31	+ 0·10	− 1·5
7182	9·1	25·98	− 0·28	− 2·0
7199	8·2	26·00	− 0·16	− 0·8
7202	8·8	26·00	− 0·08	− 0·8
			20h	
7205*	7·6	26·74	+ 0·18	− 3·6
7214	8·8	26·74	+ 0·04	− 0·9
7216	9·0	25·98	− 0·21	− 1·8
7221	9·4	26·74	− 0·15	− 2·4
7224*	9·6	25·98	− 0·32	− 8·4
7238	8·4	26·32	− 0·07	− 1·4
7244	9·3	26·86	+ 0·08	− 1·2
7252	9·0	26·11	− 0·10	0·0
7260	8·8	25·96	− 0·21	− 2·5
7263	8·0	26·50	− 0·05	− 1·2
7281	7·5	25·96	+ 0·03	− 2·1
7286	8·0	26·54	− 0·04	− 2·6
7291	8·0	26·11	− 0·17	− 1·9
7295	8·4	26·07	− 0·09	− 0·3
7299	8·5	26·32	− 0·13	+ 0·3
7310	8·3	26·13	+ 0·12	− 0·8
7312	9·5	26·04	− 0·19	− 1·7
7326	8·8	26·98	+ 0·28	− 2·1
7335	9·0	26·32	− 0·08	− 0·7
7341	8·9	26·04	+ 0·01	− 2·9
7344	8·8	26·41	+ 0·17	0·0
7349	8·1	26·16	+ 0·07	− 1·4
7358	9·1	26·55	− 0·07	− 0·5
7362*	9·1	25·97	+ 0·38	− 3·2
7364	8·5	26·45	+ 0·05	+ 0·7
7367	8·0	26·51	− 0·04	− 1·2
7380	8·5	26·42	+ 0·04	− 0·4
7387	8·3	26·02	+ 0·04	− 0·9
7390	8·0	26·44	+ 0·03	− 0·6
7400	8·5	26·04	− 0·18	− 1·8
7402	8·0	26·96	+ 0·11	+ 0·8
7406	8·4	26·55	− 0·13	− 1·9
7407	8·0	25·87	+ 0·12	− 1·4
7408	9·0	26·03	+ 0·20	− 1·6
7416	9·3	26·02	− 0·27	− 1·3
7428	7·4	26·47	+ 0·07	− 1·1
7441	8·8	26·40	− 0·04	− 0·7
7448*	8·3	26·68	+ 0·20	− 4·9
7456	8·2	26·40	− 0·12	+ 0·9
7458	9·1	26·00	− 0·39	− 1·4
7466	9·1	26·01	− 0·18	− 0·5
7468	8·3	26·75	+ 0·05	− 0·3
7470	8·5	26·01	− 0·15	− 1·7
7475	9·8	26·03	− 0·21	− 1·0
7485	9·5	25·79	− 0·01	− 1·7
7489*	9·2	27·01	− 0·11	+ 2·0
7493	8·3	26·74	− 0·05	− 0·3
7496	9·1	26·45	+ 0·15	− 0·2
7501*	8·5	26·74	+ 0·51	− 8·6
7505	9·3	26·71	− 0·07	− 0·1
7519	9·6	26·92	+ 0·22	+ 1·6
7525*	9·4	27·00	+ 0·30	− 5·1
7538	9·5	26·02	− 0·23	+ 1·3
7543*	9·5	25·90	+ 0·46	− 8·6
			21h	
7569	8·5	26·74	0·00	− 0·9
7571	8·6	25·99	− 0·34	− 1·8
7598	8·2	27·01	− 0·10	+ 0·3
7612	8·8	25·99	− 0·28	− 2·2
7615	8·1	26·38	+ 0·03	− 2·1
7617	8·3	26·85	− 0·07	− 2·3
7640	9·2	25·88	− 0·15	− 2·8
7643	8·9	26·40	+ 0·03	0·0
7659	8·4	25·79	− 0·09	− 1·8
7673	9·3	26·71	+ 0·26	− 1·8
7675	8·3	26·00	+ 0·14	− 2·5
7682	8·8	26·00	− 0·08	− 2·5
7686	8·2	26·71	+ 0·14	− 1·3
7698	9·2	25·99	− 0·09	− 2·8
7704*	8·4	25·80	− 1·50	− 6·6
7707	9·3	26·81	+ 0·29	− 0·4
7714	9·0	26·06	+ 0·13	− 2·5
7720	9·1	26·91	+ 0·06	− 1·5
7749	9·0	26·01	− 0·08	− 1·9
7757	8·9	26·92	+ 0·05	− 0·9
7759	8·6	26·02	− 0·19	− 5·3
7768	9·3	26·01	− 0·15	− 1·5
7780*	8·7	26·02	− 0·07	+ 3·6
7789	8·3	26·02	+ 0·22	− 0·5
7799	8·9	25·90	− 0·04	− 1·1
7801	8·5	26·91	+ 0·07	− 0·1
7815	8·7	25·92	+ 0·28	− 2·0
7823	9·1	26·34	+ 0·05	− 1·3
7837	9·0	26·80	− 0·02	− 0·1
7847	9·0	25·88	+ 0·03	− 1·3
7853	8·7	26·93	+ 0·07	+ 0·6
7855	9·0	25·88	− 0·14	− 4·4
7880	8·0	26·43	+ 0·15	− 0·7
7883	8·8	26·95	+ 0·34	− 0·6
			22h	
7887	8·5	26·90	+ 0·16	− 1·3
7907	9·1	25·91	− 0·08	+ 0·5
7915	9·0	26·81	+ 0·17	− 0·8
7917	9·0	26·02	0·00	− 1·0
7933	8·3	26·80	+ 0·17	− 0·6

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—C.Z., δ −48° TO −52°.

No. 1900.	Mag.	Cape—C.Z. ΔEp.	Δα	Δδ
		y	s	″
7939	8·8	26·04	+ 0·09	− 2·7
7945	9·3	26·01	− 0·08	− 0·5
7948*	8·5	26·80	+ 0·61	− 3·7
7950*	8·6	26·93	− 0·45	− 1·0
7960	8·8	26·79	+ 0·26	− 0·6
7962	9·1	25·99	+ 0·09	− 2·7
7969*	9·3	26·79	+ 0·34	− 2·3
7975*	8·9	25·90	+ 0·11	−28·2
7987	7·2	26·44	+ 0·06	− 1·2
7993	8·0	26·00	+ 0·16	− 3·1
8005	9·3	26·01	− 0·23	− 2·2
8014*	8·4	26·96	+ 0·58	− 2·5
8039	8·6	26·34	− 0·10	− 3·4
8040	9·0	26·88	+ 0·04	− 1·8
8043*	8·1	26·52	+ 0·51	− 1·7
8046	8·8	26·78	+ 0·14	− 1·9
8061	8·7	26·88	+ 0·02	− 0·5
8063	8·4	26·37	+ 0·19	− 2·3
8068	7·9	26·49	0·00	− 0·4
8078	9·3	26·06	+ 0·08	− 1·2
8084	8·0	26·84	+ 0·30	− 2·1
8088	8·8	26·98	+ 0·24	− 0·7
8094	9·4	26·05	+ 0·16	− 1·3
8099	9·3	26·91	− 0·01	− 0·3
8127	9·5	26·86	+ 0·06	− 2·2
8136	9·3	27·00	− 0·02	− 0·7
8143	9·4	26·95	+ 0·10	− 1·6
8158	9·5	27·00	+ 0·16	− 1·1
8179	9·3	26·92	+ 0·17	− 0·7
8182	8·6	26·98	+ 0·35	− 2·3
8189	9·5	27·00	+ 0·15	− 2·6
8201	9·0	26·97	− 0·05	− 1·1
8215	8·7	26·97	− 0·02	− 1·3
			23h	
8230	7·5	26·91	− 0·01	− 1·0
8231	9·7	27·09	+ 0·05	− 2·0
8237	8·5	27·03	− 0·11	− 3·0
8245	8·3	26·87	+ 0·18	− 2·0
8254*	9·1	27·00	− 0·31	− 9·6
8256	9·8	26·90	− 0·14	− 1·7
8279	9·5	27·04	+ 0·15	− 1·5
8298	9·0	26·99	+ 0·10	− 0·3
8317*	9·0	27·04	+ 0·44	− 1·3
8325	9·3	26·93	− 0·11	− 0·6
8341	8·1	26·01	+ 0·03	− 0·6
8352	8·3	27·00	+ 0·11	+ 0·9
8354	8·4	27·01	+ 0·13	− 1·8
8364	9·3	27·02	− 0·11	− 1·7
8372*	9·2	27·00	+ 0·47	− 2·9
8379	8·2	24·38	0·00	+ 2·2
8384	9·4	27·00	− 0·30	− 0·2
8385	8·6	24·38	− 0·06	− 0·7
8406	9·5	21·89	+ 0·04	− 1·7
8407	9·4	27·07	− 0·06	− 1·4
8411*	8·2	26·97	− 0·49	+ 0·3
8416	8·9	27·01	− 0·19	− 0·9
8424	8·0	26·43	− 0·18	− 1·3
8425	8·8	26·54	− 0·02	− 1·3
8426	9·4	25·01	− 0·07	0·0
8444	8·7	24·40	+ 0·04	− 0·4
8445	9·5	27·10	− 0·34	− 2·3
8452	9·1	26·42	− 0·04	− 1·1
8469*	8·7	27·04	− 0·31	− 2·8
8476	8·5	27·06	+ 0·21	− 0·2
8490	8·8	24·36	− 0·10	− 1·4
8496	9·0	26·69	+ 0·12	− 0·4
8499	9·5	21·93	+ 0·06	− 1·3
8519	9·4	24·42	+ 0·10	− 0·5
8522	9·6	21·99	+ 0·06	− 0·4
8525	9·3	26·97	+ 0·22	− 1·2
8530*	8·9	25·84	− 0·07	−11·6
8535	8·6	26·46	− 0·01	− 0·2
8543	9·8	24·19	− 0·19	− 0·5
8547	9·4	25·84	+ 0·24	− 1·4
8554	7·9	25·38	+ 0·06	− 0·5
8560	9·5	24·38	0·00	− 2·9

CAPE 1900—MADRAS 1875.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
			0h	
		y	s	″
4	7·5	15·04	+ 0·13	+ 2·8
5	6·0	33·57	+ 1·82	− 0·5
20	8·0	16·88 16·89	+ 0·31	− 0·3
22	8·0	30·04	+ 0·20	+ 0·6
25	4·0	21·32	+ 0·38	− 2·2
35	7·7	30·94 31·02	− 0·07	+ 0·8
82	8·0	31·82	+ 0·03	− 6·9
119	4·0	21·33	+ 0·23	+ 2·6
120	7·0	27·38	− 0·08	− 0·1
131	6·5	18·04	+ 0·36	+ 4·2
138	7·0	18·48	+ 0·09	+ 0·2
142	6·5	17·34	− 0·20	+ 1·8
144	5·8	19·53	+ 0·08	− 1·4
160	8·5	14·00	− 0·11	− 1·1
173	5·8	20·05	0·00	− 2·7
186	7·5	14·77	− 0·13	+ 1·8
191	8·0	13·29 13·39	+ 0·14	− 0·2
197	6·5	15·54	+ 0·12	+ 3·1
203	5·0	18·66	− 0·25	− 0·1
225	6·5	13·18	− 0·17	+ 0·9
253	7·0	12·94	+ 0·23	+ 0·2
262	5·5	20·45	+ 0·17	+ 1·1
286	9·0	15·00	+ 0·12	+ 0·4
288	8·0	30·68	− 0·22	+ 2·4
297	8·3	13·79	− 0·01	+ 2·0
301	8·0	27·02	− 0·08	+ 0·3
325	9·4	15·65	+ 0·49	+ 7·0
330	5·5	14·94	+ 0·03	+ 1·1
			1h	
347	4·0	21·68	− 0·09	+ 2·5
370	9·2	15·96	− 0·04	− 1·0
418	7·0	12·98	− 0·04	+ 2·5
484	4·0	22·52	+ 0·28	+ 4·3
485	7·4	29·31	− 0·34	− 2·7
488	8·0	14·45	− 0·01	+ 2·7
511	7·5	15·06	+ 0·19	+ 2·4
542	7·1	18·93	− 0·07	0·0
564	6·0	20·22	0·00	− 1·0
566	8·1	14·47	− 0·11	+ 0·3
575	8·8	31·21	− 0·10	+ 0·7
583	8·0	15·93	+ 0·08	+ 1·9
592	6·5	15·35	− 0·15	− 0·6
597	8·0	15·74	− 0·06	+ 0·1
607	4·5	19·56	− 0·39	− 0·9
609	5·5	17·18	− 0·20	− 0·5
629	5·0	19·49	+ 0·09	+ 0·4
630	8·0	15·18	− 0·09	+ 2·1
632	7·0	14·99	− 0·02	− 0·1
638	8·3	15·96	+ 0·15	+ 3·2
652	5·7	18·34	− 0·11	+ 0·3
656	7·8	13·96	− 0·33	+ 0·6
			2h	
707	9·5	14·95	− 0·13	+ 0·1
746	8·5	13·89	+ 0·10	+ 1·5
756	7·3	15·68	+ 0·19	− 0·8
766	6·8	19·51	− 0·03	+ 3·1
774	6·0	20·63	+ 0·02	+ 1·6
780	6·0	15·24	+ 0·52	+ 4·1
779	8·8	15·87	− 0·13	+ 0·8
795	4·0	20·08	− 0·12	+ 0·1
823	7·7	16·94	− 0·05	+ 1·4
831	9·5	14·97	+ 0·30	+ 0·6
838	7·0	14·20	− 0·12	+ 1·7
865	5·0	18·31	+ 0·19	− 1·9
869	4·5	20·16	+ 0·50	+ 1·9
909	8·0	12·95	+ 0·28	+ 0·6
913	8·5	16·58	− 0·07	− 0·5
926	8·8	14·85	− 0·06	− 0·1
932	7·0	13·71 13·75	+ 0·17	+ 0·8
960	8·5	15·75	+ 0·24	+ 0·4
966	9·0	16·84	− 0·04	+ 1·8
976	7·0	16·97	+ 0·11	− 1·7
982	7·2	13·93	+ 0·02	+ 0·3
1000	7·0	14·61	+ 0·30	+ 0·8
1002	8·3	15·90	− 0·01	+ 0·5

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—MADRAS 1875.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
			3h	
		y	s	″
1005	9·0	24·47	+ 0·09	+ 2·3
1060	7·5	13·94	− 0·12	+ 1·7
1066	8·0	28·40	− 0·01	+ 2·1
1076	8·2	29·85	− 0·27	+ 1·2
1105	8·0	15·84	+ 0·06	+ 1·0
1110	8·3	16·94	+ 0·01	+ 1·7
1111	7·5	14·35	+ 0·13	− 1·3
1151	9·0	15·56	+ 0·13	+ 1·2
1188	4·8	17·76	− 0·02	+ 1·9
1189	8·5	27·72	− 0·04	+ 0·5
1202	8·0	15·61	+ 0·12	0·0
1239	5·8	18·24	− 0·13	+ 0·2
			4h	
1355	8·5	15·22	− 0·05	+ 1·3
1368	7·0	19·96	+ 0·04	+ 0·3
1410	4·0	17·76	+ 0·20	− 1·9
1441	5·5	19·26	+ 0·28	− 0·9
1469	8·3	15·60	+ 0·03	+ 1·1
1509	5·5	19·96	− 0·28	+ 1·2
1518	8·3	33·92	− 0·07	+ 0·9
1538	7·7	15·04	+ 0·12	+ 1·8
1548	8·8	12·54	− 0·09	+ 1·5
1561	7·0	23·40	− 0·11	+ 1·9
1574	5·5	20·96	− 0·18	+ 1·4
1578	7·0	17·56	+ 0·01	+ 0·7
1611	8·5	13·74	+ 0·08	+ 0·8
1608	7·3	34·15	− 0·13	+ 0·4
1662	8·5	15·01	+ 0·06	+ 1·8
1661	8·0	13·82	+ 0·05	+ 2·1
			5h	
1693	6·0	19·85	+ 0·03	− 1·1
1696	8·0	31·96	− 0·16	+ 1·2
1701	5·5	19·53	+ 0·10	− 1·9
1730	9·0	28·15	+ 0·01	+ 3·2
1790	8·6	29·95	− 0·11	+ 1·2
1825	8·4	29·79	− 0·27	+ 1·5
1949	7·5	28·95	− 0·27	0·0
1950	6·8	18·70	− 0·06	+ 0·4
1966	9·2	29·41	− 0·20	+ 0·8
1977	9·0	30·38	− 0·11	+ 0·5
1999	7·9	29·56	− 0·15	+ 0·9
2003	9·1	25·38	− 0·64	+ 1·1
2007	8·9	26·26	− 0·20	+ 2·3
2018	7·9	31·38	− 0·07	+ 1·4
2016	8·5	28·43	− 0·10	0·0
2046	9·2	16·93	− 0·31	+ 0·1
			6h	
2059	7·9	30·24	− 0·12	+ 0·3
2060	8·0	32·14	− 0·17	+ 4·3
2077	6·0	18·50	− 0·08	− 0·3
2111	8·5	32·20	− 0·04	+ 1·7
2130	9·0	29·01	− 0·13	+ 1·3
2190	6·0	19·97	+ 0·17	0·0
2201	8·0	23·85	+ 0·05	+ 3·8

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
2230	8·5	28·45	− 0·13	+ 1·0
2232	8·9	29·54	− 0·03	+ 2·5
2239	7·2	17·98	− 0·10	− 1·3
2268	9·3	28·86	+ 0·01	+ 1·2
2269	7·1	17·92	− 0·27	− 0·1
2302	9·0	30·38	− 0·10	+ 1·1
2309	8·5	31·24	− 0·06	+ 0·5
2321	8·0	25·87	− 0·09	+ 0·8
2348	3·0	22·01	+ 0·13	− 0·5
2382	8·7	27·45	− 0·07	+ 0·7
			7h	
2441	7·0	28·92	− 0·23	+ 2·5
2471	8·5	30·57	− 0·04	+ 1·3
2490	5·0	19·93	− 0·38	+ 2·5
2497	5·5	19·96	+ 0·08	− 2·0
2500	Var.	17·99	+ 0·25	+ 7·0
2573	7·0	31·57	+ 0·04	+ 3·3
2633	9·5	30·44	− 0·10	+ 2·2
2660	8·5	30·75	− 0·06	+ 1·1
2663	8·1	16·91	− 0·11	+ 0·7
2679	6·5	18·20	− 0·16	− 7·7
2683	6·0	18·02	+ 0·27	− 2·1
2702	8·5	16·93	+ 0·01	+ 1·5
2710	7·7	16·97	+ 0·25	+ 1·9
2715	5·9	18·52	− 0·03	+ 1·3
2730	4·0	19·56	− 0·02	− 0·5
2735	7·8	17·97	− 0·40	− 0·7
2755	5·0	20·98	+ 0·19	+ 0·9
2787	9·3	16·99	− 0·12	+ 0·9
			8h	
2859	8·0	29·03	− 0·04	+ 1·4
2901	9·5	21·65	− 0·04	+ 3·2
2908	9·0	25·40	− 0·19	+ 1·2
2912	9·1	23·55	+ 0·01	+ 2·5
2914	9·5	29·27	− 0·04	+ 0·9
2947	5·7	20·98	+ 0·08	− 0·5
3001	7·5	31·08	− 0·10	+ 0·4
3033	7·7	32·36	− 0·08	+ 1·4
3036	6·5	20·42	− 0·10	+ 0·8
3073	6·0	18·94	+ 0·01	0·0
3076	8·4	32·32	− 0·01	+ 1·3
3075	6·0	18·96	− 0·14	− 0·9
3127	6·0	19·89	− 0·05	+ 1·3
3133	5·5	26·94	+ 0·02	− 0·1
3152	8·0	29·45	− 0·17	+ 1·1
			9h	
3223	5·0	19·94	− 0·16	+ 1·1
3266	7·0	28·96	+ 0·04	− 0·1
3267	8·4	32·59	− 0·15	− 0·3
3316	6·0	19·93	− 0·03	+ 0·1
3419	5·5	20·28	+ 0·19	− 0·7
3437	5·0	34·02	− 0·41	+ 1·0
3442	8·5	32·32	+ 0·01	+ 0·2
3414	6·0	18·55	+ 0·01	− 0·4
3507	8·5	29·62	− 0·14	+ 1·4
3605	9·3	31·86	+ 0·09	+ 0·7

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
			10h	
		y	s	″
3636	8·5	29·65	− 0·07	+ 1·8
3649	5·2	20·97	+ 0·16	− 0·4
3667	9·0	31·19	+ 0·09	+ 0·9
3675	6·0	21·04	− 0·01	− 0·6
3729	6·0	17·95	− 0·01	+ 1·8
3879	3·0	20·03	+ 0·23	− 1·4
3888	8·3	29·85	− 0·09	0·0
3892	7·8	31·53	− 0·28	+ 1·6
3912	8·1	30·16	− 0·10	0·0
3988	6·5	15·99	− 0·06	+ 0·8
3991	9·3	14·63	+ 0·06	− 1·1
			11h	
4007	8·9	28·11	0·00	+ 0·6
4068	8·7	30·97	− 0·48	+ 1·1
4076	7·8	16·06	− 0·05	0·0
4125	7·8	32·15	− 0·06	+ 1·1
4180	7·5	14·32	+ 0·11	− 0·3
4212	8·7	16·15	+ 0·01	− 1·8
4232	8·6	33·73	− 0·08	+ 0·7
4255	8·9	15·18	+ 0·01	− 0·8
4281	5·0	19·91	+ 0·01	+ 0·6
4295	8·0	14·78	− 0·04	− 3·4
4297	8·6	16·08	− 0·01	− 1·6
4327	7·5	14·26	+ 0·16	− 0·3
			12h	
4386	9·0	31·57	+ 0·01	+ 1·8
4412	8·4	31·14	− 0·17	+ 0·8
4424	8·0	30·75	− 0·90	− 1·5
4441	7·8	18·98	− 0·72	− 0·6
4471	8·0	34·06	+ 0·04	− 0·3
4502	4·5	20·16	+ 0·28	− 0·7
4560	4·0	19·15	− 0·15	+ 0·2
4700	8·7	30·79	− 0·20	+ 1·2
4708	8·8	31·94	− 0·17	+ 0·1
			13h	
4744	8·6	16·16	− 0·01	+ 0·8
4765	5·5	17·70	− 0·19	− 0·9
4790	8·2	32·91	− 0·13	+ 0·4
4811	7·0	16·15	+ 0·10	+ 1·1
4868	5·8	19·98	+ 0·29	+ 0·1
4903	7·5	28·29	− 0·11	+ 1·4
4911	7·0	26·16	+ 0·03	+ 0·3
4916	6·3	20·90	+ 0·12	− 0·2
4972	5·2	20·93	+ 0·09	− 1·9
5044	4·5	19·90	− 0·09	+ 0·2
5065	7·0	15·66	− 0·01	+ 0·6
5066	5·0	19·90	+ 0·01	− 0·3
5079	8·7	15·91	− 0·10	+ 1·1
5085	5·0	18·01	− 0·02	+ 0·4
			14h	
5124	7·0	13·88	+ 0·03	+ 1·0
5166	7·8	16·02	+ 0·05	+ 0·9
5168	6·5	13·11	+ 0·10	+ 1·7
5194	8·0	14·59	− 0·11	+ 0·5
5208	5·0	19·72	0·00	− 1·0

CAPE 1900—MADRAS 1875.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
5218	7·8	16·06	− 0·04	− 0·2
5220	7·5	31·62	− 0·14	− 1·1
5250	8·1	30·17	− 0·12	+ 0·5
5278	4·5	20·41	− 0·02	− 1·2
5279	7·5	14·05	+ 0·15	+ 0·9
5324	9·3	15·07	+ 0·14	0·0
5336	7·0	14·05	− 0·02	+ 0·4
5359	8·0	27·26	+ 0·04	+ 0·8
5418	8·0	13·53	+ 0·09	− 0·6
5421	8·5	14·74	+ 0·01	+ 0·5
5440	4·0	19·89	− 0·06	− 0·5
5453	8·7	24·86	− 0·04	+ 1·1
		15h		
5470	5·0	19·00	− 0·04	− 0·1
5490	5·2	19·49	+ 0·13	+ 0·9
5547	6·0	18·85	− 0·33	− 2·7
5609	8·8	15·03	− 0·01	+ 1·2
5618	7·0	29·45	+ 0·14	− 0·8
5647	4·7	16·65	− 0·14	+ 1·1
5660	8·0	15·05	+ 0·01	+ 0·9
5666	5·2	18·98	− 0·33	− 3·9
5723	7·5	15·88	+ 0·11	+ 0·7
5772	7·0	14·35	− 0·02	− 2·0
5816	5·0	19·12	− 0·08	+ 0·5
		16h		
5857	7·5	13·68	+ 0·09	− 0·5
5870	8·3	15·65	+ 0·03	− 2·0
5888	6·0	17·68	+ 0·18	+ 0·7
5889	9·0	14·41	+ 0·05	− 0·5
5932	9·0	13·57	+ 0·15	− 0·1
5992	8·3	22·09	+ 0·08	+ 2·0
5993	8·8	25·44	− 0·10	+ 1·1
6039	8·2	29·59	− 0·03	+ 1·4
6075	7·3	13·87	+ 0·18	− 0·5
6083	7·5	23·36	+ 0·06	0·0
6097	7·0	24·06	− 0·02	− 2·5
6098	5·5	19·19	+ 0·18	− 0·6
6105	7·2	17·27	+ 0·02	+ 0·8
6120	8·5	14·53	+ 0·34	+ 0·6
		17h		
6190	7·5	30·34	− 0·02	+ 0·9
6193	5·8	18·18	− 0·07	− 1·0
6197	7·5	13·67	+ 0·13	+ 1·5
6228	8·5	26·72	− 0·07	+ 0·9
6282	7·7	15·97	+ 0·12	− 1·5
6290	6·8	19·34	− 0·05	− 0·1
6317	9·0	22·58	− 0·14	+ 1·0
6318	7·3	16·88	− 0·01	− 0·6
6329	7·5	16·45	− 0·18	− 0·8
6332	7·3	13·07	− 0·13	+ 0·8
6338	5·2	18·43	− 0·24	− 0·9
6376	8·3	16·38	− 0·11	+ 0·2
6384	7·3	16·78	+ 0·10	− 0·9
6428	5·8	16·05	+ 0·12	+ 1·1
6469	5·3	29·42	− 0·03	+ 0·4
6510	4·0	22·03	+ 0·01	− 0·2
6514	6·0	33·03	− 0·08	− 2·9

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
			18h	
		y	s	″
6536	9·0	33·57	+ 0·17	+ 1·3
6560	8·3	13·18	+ 0·18	+ 0·3
6585	6·8	27·09	+ 0·02	− 0·4
6605	8·7	15·14	+ 0·25	− 2·9
6618	8·3	16·13	+ 0·22	− 1·6
6619	5·8	31·14	− 0·01	+ 0·5
6634	4·0	20·99	+ 0·07	− 0·5
6646	4·5	21·74	+ 0·28	− 5·1
6661	6·0	20·86	− 0·07	− 1·0
6668	8·9	30·47	+ 0·12	+ 0·9
6691	7·8	15·80	− 0·13	− 1·3
6697	8·0	13·18	+ 0·57	+ 2·3
6706	8·4	27·24	− 0·10	+ 5·0
6732	9·0	28·10	− 0·02	− 0·7
6740	8·5	34·38	+ 0·82	− 0·4
6745	7·3	14·71	+ 0·24	+ 0·5
6754	5·5	13·95	− 0·13	+ 0·9
6758	5·5	12·06	+ 0·02	− 0·3
6773	8·1	14·84	+ 0·01	+ 0·2
6774	6·0	33·56	+ 0·11	+ 0·2
6830	7·0	14·79	+ 0·21	+ 0·1
6872	8·5	13·07	− 0·12	− 0·8
		19h		
6876	6·5	12·57	+ 0·08	− 1·7
6884	8·4	15·85	+ 0·03	− 1·8
6891	8·3	15·26	+ 0·18	− 0·1
6894	8·7	27·62	+ 0·02	− 0·8
6897	8·5	14·90	− 0·01	+ 0·9
6901	6·5	15·48	+ 0·08	+ 0·6
6909	6·0	14·86	+ 0·09	− 0·5
6928	7·4	15·89	+ 0·18	0·0
6938	7·3	14·99	+ 0·11	− 1·8
6945	7·0	24·79	− 0·25	+ 0·6
6956	4·0	18·75	+ 0·07	− 1·6
6962	7·0	15·94	+ 0·01	− 0·3
6970	7·3	15·90	+ 0·17	+ 0·2
7001	8·0	14·01	− 0·04	− 0·5
7011	9·0	13·66	− 0·03	+ 0·8
7013	6·0	13·98	− 0·07	+ 0·9
7022	8·0	26·60	0·00	+ 0·7
7036	8·5	13·24	+ 0·01	+ 1·0
7076	7·0	13·09	+ 0·04	+ 1·0
7103	8·0	14·04	− 0·02	+ 0·4
7104	7·0	15·51	+ 0·05	− 0·9
7115	6·0	14·27	+ 0·13	+ 0·8
7131	5·0	19·33	+ 0·24	+ 2·2
7148	8·0	13·73	+ 0·12	− 2·4
7161	6·5	13·65	+ 0·21	+ 1·8
7163	6·0	15·91	+ 0·11	− 0·3
7178	8·0	14·05	− 0·02	− 0·2
7195	9·5	29·62	+ 0·24	+ 1·1
		20h		
7219	7·2	13·95	+ 0·08	+ 0·8
7249	8·0	14·10	+ 0·02	+ 1·4
7255	7·5	13·87	+ 0·02	+ 0·8
7272	8·0	15·19	+ 0·01	+ 3·4
7282	6·2	15·49	− 0·65	− 2·9
7283	8·9	15·76	+ 0·26	− 0·7

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
7297	6·0	13·09	+ 0·09	+ 1·4
7321	8·5	15·87	+ 0·09	+ 0·7
7323	10·0	14·10	− 0·06	− 1·6
7349	8·1	17·97	+ 0·30	− 0·3
7357	5·8	20·95	+ 0·03	+ 0·6
7369	7·5	15·73	− 0·02	+ 1·6
7377	3·0	20·89	+ 0·26	+ 2·1
7409	9·0	14·22	− 0·08	+ 0·7
7415	8·3	16·89	+ 0·13	− 1·1
7437	7·5	14·41	− 0·18	+ 1·0
7453	8·1	14·37	+ 0·02	+ 1·3
7461	5·6	20·87	+ 0·09	+ 0·4
7474	8·5	15·31	+ 0·06	− 0·3
7480	7·0	15·80	+ 0·11	− 3·3
7500	6·5	15·94	− 0·74	−14·1
7508	6·0	17·87	− 0·16	+ 8·2
7544	6·0	17·18	− 0·01	− 0·3
		21h		
7562	6·5	14·77	− 0·02	− 0·1
7602	7·0	15·85	+ 0·07	− 1·5
7641	7·5	13·99	− 0·13	+ 0·1
7645	6·0	19·57	+ 0·11	+ 2·2
7660	8·3	14·71	+ 0·02	− 2·7
7690	6·0	18·75	− 0·20	+ 1·3
7697	6·5	14·64	+ 0·02	+ 1·2
7704	8·4	32·57	− 2·10	− 2·9
7706	9·0	27·67 27·79	− 0·09	+ 0·1
7712	8·0	15·68	+ 0·11	+ 0·6
7732	6·5	14·28	− 0·05	− 0·4
7752	7·0	29·62 29·75	+ 0·43	− 0·6
7773	8·5	14·64	− 0·17	+ 1·0
7783	5·8	14·75	+ 0·23	− 6·9
7784	8·8	14·05	+ 0·20	− 3·6
7791	7·8	32·33	− 0·03	− 0·6
7800	8·5	30·33	− 0·09	+ 1·7
7824	8·0	24·38	− 0·28	+ 1·3
7827	9·1	32·13	− 0·17	+ 1·7
7843	6·5	14·89	− 0·07	+ 0·6
7846	8·5	13·60	+ 0·06	+ 1·0
7851	8·0	15·36	+ 0·14	+ 3·0
7860	9·3	30·47	− 0·03	− 0·9
7885	7·3	15·45	+ 0·13	+ 1·5
7890	8·5	33·65	+ 0·02	− 8·1
		22h		
7893	8·5	15·32	− 0·02	+ 5·0
7897	8·0	17·83	− 0·29	+ 1·2
7925	8·6	14·87	+ 0·14	+ 1·1
7928	8·5	15·83	− 0·01	− 1·3
7940	8·8	14·78	− 0·06	+ 1·5
7989	7·5	17·94	− 0·15	− 1·4
7997	8·5	14·54	+ 0·01	+ 2·1
8005	9·3	32·34	− 0·13	− 0·3
8028	7·0	17·96	+ 0·08	+ 0·7
8033	8·0	26·36	− 0·04	+ 0·2
8038	9·0	29·33	− 0·18	+ 1·0
8043	8·1	33·30	+ 0·61	+ 1·0
8065	6·8	31·54	− 0·16	+ 1·3
8066	7·5	16·95	+ 0·20	− 0·3
8091	2·0	18·84	+ 0·38	+ 0·2

CAPE 1900—MADRAS 1875.

No. 1900.	Mag.	Cape—Madras. ΔEp.	Δα	Δδ
		y	s	″
8097	6·0	16·83	− 0·12	− 1·1
8102	8·5	30·40	+ 0·03	− 1·2
8108	6·0	16·92	− 0·10	− 0·8
8126	4·0	21·97	+ 0·34	− 0·3
8131	8·0	27·04	+ 0·11	+ 0·4
8144	9·1	28·33	− 0·31	+ 0·8
8152	8·3	14·02	+ 0·03	− 0·3
8160	9·1	18·00	+ 0·07	− 2·6
8177	9·0	31·12	− 0·22	− 0·4
8218	7·5	15·30	− 0·12	− 0·1
			23h	
		y	s	″
8221	7·0	14·81	− 0·09	+ 3·5
8233	4·0	19·12	− 0·07	− 1·2
8249	4·0	18·01	+ 0·10	+ 0·6
8261	7·9	16·96	+ 0·14	+ 1·0
8300	8·0	29·57	− 0·09	+ 0·3
8301	7·8	15·03	− 0·11	+ 0·4
8318	9·0	25·78	+ 0·14	− 2·3
8349	8·2	33·71	− 0·06	+ 0·5
		y	s	″
8363	6·8	15·27	− 0·01	+ 0·2
8377	8·0	26·23	− 0·02	+ 1·7
8387	4·8	17·19	− 0·18	− 0·7
8414	7·3	18·34	− 0·10	− 0·8
8440	7·5	15·32	+ 0·06	+ 1·0
8469	8·7	32·63	− 0·23	− 0·5
8495	7·9	17·83	+ 0·15	+ 1·0
8542	6·0	18·95	− 0·13	0·0
8551	8·5	29·11 29·15	+ 0·01	− 0·2

CAPE 1900—CAPE 1880, δ −40° TO −44°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		0h		
		y	s	″
2	7·5	19·56	+ 0 06	+ 0·1
4*	7·5	19·05	+ 0·20	− 1·6
11	8·5	19·60	− 0·24	+ 0·9
22	8·0	19·04	+ 0·19	− 0·1
35	7·7	19·72 19·80	+ 0·04	− 0·4
38	6·5	19·90	− 0·14	− 1·3
52	7·8	19·99	+ 0·02	− 0·6
61	7·5	19·37	− 0·10	− 2·1
78	6·5	19·29	+ 0·12	0·0
82*	8·0	19·82	− 0·03	− 5·3
112	7·5	19·04	+ 0·13	+ 0·9
120	7·0	19·02	+ 0·02	− 1·0
138	7·0	19·99	+ 0·02	− 0·8
142	6·5	19·43	+ 0·07	+ 1·3
143	6·5	19·37	+ 0·22	− 1·2
165	7·0	19·18	+ 0·30	+ 0·8
171*	8·0	19·61	+ 0·21	− 3·4
191	8·0	19·39 19·49	− 0·06	0·0
193	7·5	19·27	− 0·05	+ 1·5
196*	8·5	19·42	− 0·33	− 1·9
201	8·3	19·07	− 0·19	− 0·6
225	6·5	19·22	− 0·10	− 2·2
232	8·3	20·01	− 0·04	+ 0·5
239	8·8	19·55	− 0·21	+ 0·1
247	7·5	19·66	+ 0·06	− 0·2
253	7·0	19·07	− 0·06	+ 0·5
254	8·8	19·47	0·00	− 0·2
270	7·9	19·02	− 0·11	− 1·2
333	7·0	19·01	+ 0·10	− 0·4
335	7·0	18·70	− 0·12	+ 0·8
			1h	
339	7·0	19·07	− 0·07	− 0·4
348	7·0	19·07	+ 0·09	− 0·2
355*	7·0	19·02	+ 0·45	− 1·2
389*	7·5	19·51	+ 0·34	+ 0·3
418	7·0	18·78	+ 0·10	− 0·2
444	7·5	19·21	+ 0·23	− 0·9
446	7·0	19·34	− 0·02	− 0·9
463	6·5	19·10	+ 0·15	+ 0·2
526	7·0	19·21	− 0·08	− 0·3
566	8·1	19·81	+ 0·03	0·0
567	7·5	19·98	0·00	− 1·3
571	6·5	19·20	− 0·05	+ 1·2
592	6·5	19·38	+ 0·10	− 0·8
609	5·5	19·03	− 0·12	− 0·7
625	8·0	19·02	+ 0·12	− 0·8
630	8·0	19·23	− 0·08	+ 0·6
632	7·0	18·99	+ 0·14	− 0·6
635	7·5	19·04	− 0·02	− 0·3
642*	6·0	19·99	− 0·30	− 1·5
647*	7·0	19·01	+ 0·74	− 7·8
656	7·8	19·04	− 0·03	− 0·2
			2h	
676	7·5	19·34	+ 0·02	0·0
685	6·5	19·01	− 0·02	+ 0·1
693	8·6	19·44	+ 0·06	+ 0·1
695	6·5	19·57	+ 0·11	− 1·6
728	7·0	19·18	− 0·01	+ 1·3
735	7·5	19·50	+ 0·18	− 0·1
736	8·0	19·54	+ 0·01	+ 1·3
766	6·8	19·62	+ 0·10	+ 0·7
780*	6·0	19·24	+ 0·39	+ 2·1
781	7·5	19·95	+ 0·16	+ 1·3
798	8·0	19·55	− 0·02	− 0·8
802	7·8	19·24	− 0·15	+ 0·2
805	8·0	19·80	+ 0·19	− 1·3
838	7·0	19·28	+ 0·01	+ 0·1
856	7·0	19·55	+ 0·16	+ 0·9
857	7·0	19·55	+ 0·06	+ 0·1
865	5·0	19·94	+ 0·06	− 1·0
869*	4·5	19·24	+ 0·31	− 0·7
870	7·6	19·93	− 0·01	+ 0·8
880	8·0	19·21	+ 0·01	+ 0·4
885	9·0	19·90	+ 0·23	+ 0·5
888	6·5	19·62	+ 0·03	− 0·1
902	7·0	20·00	− 0·01	− 0·7
904	8·1	19·81	+ 0·27	+ 0·8
909	8·0	19·05	+ 0·07	− 0·7
927	6·7	20·00	+ 0·22	+ 0·5
932	7·0	19·78 19·82	+ 0·03	+ 0·1
941	6·5	19·17	+ 0·08	− 0·2
944	8·5	18·99	− 0·05	+ 0·4
945	8·3	19·48 19·57	− 0·03	+ 0·3
982	7·2	19·34	+ 0·04	− 0·6
			3h	
1011	7·5	19 31	+ 0·07	+ 0·3
1046	7·1	19·02	+ 0·04	+ 0·3
1054	7·0	18·94	+ 0·10	− 0·4
1060	7·5	18·62	+ 0·01	− 0·2
1066	8·0	19·51	0·00	+ 0·7
1067	7·6	19·26	+ 0·01	+ 0·4
1087*	4·5	19·02	+ 5·27	+ 14·3
1107	8·0	19·18	− 0·06	− 0·8
1111	7·5	19·73	+ 0·26	− 0·5
1115	7·3	19·25	− 0·05	− 0·3
1128	8·2	19·72	+ 0·09	+ 0·4
1136	7·5	19·29	+ 0·12	− 0·6
1148	7·2	19·31	− 0·11	− 0·9
1173	7·5	19·63	− 0·08	+ 0·2
1188*	4·8	19·55	− 0·02	− 0·5
1207	8·5	19·06	− 0·06	+ 1·4
1212	7·3	18·32	− 0·15	− 0·1
1214	8·1	19·83	− 0·07	− 0·8
1232*	6·5	19·71 19·78	− 0·03	− 2·3
1234	7·3	19·50	0·00	− 0·8
1258	7·0	19·68	+ 0·24	+ 0·4
1267	7·2	20·29	− 0·05	+ 0·3
1291	7·3	19·39	+ 0·03	+ 1·1
1295	6·0	19·34	+ 0·03	− 0·4
1312	7·0	19·53	+ 0·23	− 0·9
1329	7·7	19·92	+ 0·08	− 0·7
			4h	
1373	8·0	19·58	− 0·16	+ 0·3
1406	6·5	19·67	0·00	+ 0·5
1410*	4·0	19·89 20·18	+ 0·21	− 4·1
1413	7·5	19·86	+ 0·19	− 1·5
1453	8·0	19·71	+ 0·06	+ 1·4

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −40° TO −44°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
1455	8·0	19·90	+ 0·05	− 1·2
1466	8·0	19·77	− 0·11	− 0·5
1477	8·0	19·53	− 0·03	− 0·1
1491	7·3	19·58	− 0·04	+ 0·2
1496	7·3	19·53	− 0·10	− 0·1
1504	7·6	19·21	− 0·11	0·0
1506	7·5	19·35	− 0·14	− 0·3
1541	6·5	20·90	+ 0·05	+ 0·2
1575	8·0	19·25	− 0·06	− 0·5
1578	7·0	19·56	+ 0·09	+ 0·2
1585	8·5	19·25	− 0·07	− 0·8
1614	8·0	19·67	+ 0·10	+ 0·7
1650	8·0	19·68	+ 0·07	+ 0·1
1666	8·0	19·53	+ 0·01	+ 0·7
1687	7·9	20·35	− 0·07	− 0·1
			5h	
1721*	7·3	19·74	− 0·11	+ 5·5
1724	8·0	19·46	− 0·06	− 0·7
1744	7·5	18·61	+ 0·09	+ 2·4
1765	7·5	19·53	− 0·05	− 0·5
1766	8·0	19·63	− 0·21	+ 0·4
1781	8·0	19·66	0·00	− 0·1
1898*	8·0	20·00	+ 0·06	+ 0·6
1901*	7·8	19·81	+ 0·23	+ 4·1
1926	7·5	19·52	− 0·02	+ 1·1
1956	7·0	19·71	− 0·05	− 0·2
1958	7·0	19·43	+ 0·03	+ 0·4
1965	8·0	19·28	− 0·01	− 1·3
1982	7·0	19·69	+ 0·13	− 0·7
1991	8·8	18·75	− 0·04	+ 0·7
1993	8·0	19·18	− 0·01	− 1·2
1997	8·5	19·68	+ 0·01	+ 2·4
2033	7·3	18·98	+ 0·03	− 1·1
2035	7·4	19·40	+ 0·01	+ 0·5
			6h	
2064	7·9	19·45	0·00	− 1·4
2067	7·3	19·31 19·37	− 0·01	0·0
2072	8·3	18·83	− 0·11	+ 0·2
2077	6·9	18·83	+ 0·10	− 0·8
2083	7·8	18·64	− 0·06	− 0·1
2087	7·5	19·02	0·00	− 1·2
2089	7·5	18·45	− 0·08	+ 0·6
2092	6·0	19·19	− 0·08	+ 1·1
2104	7·5	19·20	− 0·04	− 0·8
2115	7·5	19·20	− 0·04	+ 0·8
2125	9·0	17·22	− 0·14	− 1·0
2143	8·0	19·57	− 0·05	+ 0·3
2181*	7·5	19·75	− 0·21	+ 14·8
2201	8·0	21·11	− 0·05	+ 2·4
2207	8·0	19·25	+ 0·12	− 0·8
2233	8·1	18·71 18·72	− 0·11	0·0
2244	7·6	19·55 19·53	− 0·05	− 1·6
2259	7·0	19·07	+ 0·07	− 0·3
2277	7·5	19·15	− 0·09	+ 0·7
2281	8·5	18·70	− 0·13	0·0
2285	8·3	19·42	+ 0·01	− 0·9
2293	7·5	19·70	+ 0·10	− 0·4
2331	7·5	19·05	0·00	− 0·3
2339	7·8	19·62	− 0·06	+ 1·8
2351	7·5	19·42	− 0·01	− 0·2
2359	7·7	19·38	− 0·03	− 0·8
2361	7·0	19·96	− 0·01	− 0·3
2364	7·5	19·76	− 0·08	− 0·3
2371	6·5	19·05	+ 0·15	+ 0·2
2376	7·5	19·97	− 0·11	+ 0·1
2407	7·0	19·20	+ 0·12	+ 1·0
2421	7·0	19·70	+ 0·08	− 1·5
2422	7·5	19·99	+ 0·08	− 0·2
2426	7·5	19·20	− 0·15	− 0·8
			7h	
2435	7·0	19·17	+ 0·09	− 0·2
2442	7·0	19·02	+ 0·06	− 0·1
2471	8·5	19·35	− 0·14	− 0·3
2474	7·5	19·74	+ 0·03	− 0·1
2491	7·5	19·95	− 0·17	− 0·3
2507	8·0	19·41	0·00	− 0·3
2527	8·0	18·50	− 0·02	+ 0·1
2599	7·0	19·02	− 0·05	− 0·7
2611	8·5	19·99	− 0·10	− 0·1
2616	7·0	19·02	− 0·02	+ 0·6
2625	8·0	19·99	− 0·05	− 1·1
2637	8·7	19·08	− 0·04	− 0·2
2661	8·0	19·51 19·49	− 0·09	+ 0·2
2671	7·8	19·38	− 0·09	− 0·6
2683*	6·0	18·65	+ 0·29	− 3·8
2740	6·5	19·94	+ 0·13	− 0·4
2743	8·0	19·63	− 0·18	− 0·2
2758	8·0	19·52	+ 0·05	+ 0·2
			8h	
2821	7·0	18·63 18·65	− 0·06	− 0·2
2824	7·0	18·99	− 0·02	+ 0·7
2869	7·5	19·63	− 0·14	− 1·2
2921	7·4	18·66	− 0·12	+ 0·1
2948	7·5	19·21	− 0·04	− 0·3
2989	6·5	18·96	− 0·08	− 0·5
2994	8·0	17·32	− 0·09	− 0·3
3001	7·5	18·67	0·00	− 0·2
3028	7·0	19·36	− 0·03	− 0·5
3061	7·0	18·92	− 0·02	+ 0·2
3118	8·0	18·82	− 0·20	− 0·9
3122	8·0	18·96	+ 0·04	− 0·1
3130	7·5	18·90	− 0·11	− 0·1
3138	7·0	18·70	− 0·13	0·0
3140	7·0	19·01	0·00	− 0·7
3141	7·0	18·75	− 0·16	− 0·5
3155	7·5	20·01	− 0·03	0·0
3169	8·0	19·02	+ 0·03	− 0·2
3201	7·0	19·01	− 0·04	− 0·6
3205	8·0	19·11	+ 0·05	− 0·5
			9h	
3266	7·0	19·47	− 0·03	− 1·7
3281	7·0	19·26	− 0·16	+ 0·8
3302	6·0	19·38	− 0·01	− 0·5
3367	8·0	18·94	− 0·08	− 0·4
3402	6·0	19·49	− 0·01	− 0·8
3444	6·0	19·99	+ 0·03	− 1·6
3447	8·0	19·02	− 0·10	− 0·2
3466	7·5	19·44	− 0·11	− 0·4
3516	7·3	19·44	− 0·09	+ 0·4
3543	8·0	18·62	− 0·16	− 1·1
3545	7·5	19·03	− 0·11	− 0·1
			10h	
3625	7·0	18·99	+ 0·04	− 0·6
3660*	7·0	19·14	+ 0·06	− 2·4
3682	8·0	19·57 19·37	− 0·09	+ 0·1
3683	8·0	19·10	− 0·15	− 0·3
3686	7·0	19·01	− 0·19	+ 0·2
3688	7·5	18·79	− 0·18	− 0·6
3690	9·5	19·32	− 0·16	− 0·9
3707	6·5	19·01	− 0·01	− 0·5
3722	7·5	18·60	− 0·16	− 0·4
3729*	6·0	18·95	+ 0·02	+ 0·6
3739	7·0	19·24	− 0·24	+ 0·1
3744	8·5	19·06	− 0·16	− 1·4
3754	6·0	19·73	− 0·06	− 0·8
3758	6·5	19·06	− 0·24	− 1·4
3759	8·0	17·99	− 0·17	− 1·1
3766*	7·3	18·93	+ 0·08	+ 0·2
3772	7·0	19·54	− 0·10	+ 0·1
3788	8·7	19·25	− 0·27	− 0·7
3791	8·0	19·91	− 0·18	− 0·3
3814	6·5	18·94	− 0·10	− 0·1
3830	8·0	19·67	− 0·12	− 1·3
3832	6·5	19·42	− 0·05	− 0·4
3874	7·0	19·20	− 0·09	− 0·7
3897	7·5	19·94	− 0·23	− 0·6
3919	8·0	18·95	− 0·16	− 0·7
3929	6·4	18·94	− 0·06	− 0·2
3930	6·8	18·95	− 0·08	− 0·2
3957	6·2	18·97	− 0·06	+ 0·1
3958*	5·0	19·35	− 0·04	+ 0·2
3960	8·0	18·75	− 0·11	− 1·0
3982	8·5	18·97	− 0·12	+ 0·8
3986	8·0	19·31	− 0·07	− 0·9
			11h	
4034	7·8	19·38	− 0·06	+ 0·1
4045	6·5	19·43	− 0·11	− 1·2
4052	7·5	19·94	− 0·08	− 0·3
4056	6·5	19·26	− 0·20	− 1·2
4059	7·5	19·73	− 0·08	− 0·2
4060	7·4	19·00	− 0·50	+ 0·8
4097	7·5	19·60	− 0·12	− 1·5
4115	6·5	20·01	− 0·10	− 0·4
4123	7·8	19·15	− 0·06	− 1·0
4125	7·8	19·81	+ 0·01	− 0·3
4133	7·8	19·76	− 0·14	− 0·4
4146	8·0	18·51	− 0·10	− 0·4
4158	7·0	19·07	− 0·10	− 0·9
4225	6·0	19·94	− 0·14	− 1·1
4282	6·9	19·97	− 0·06	− 0·8
4325	7·0	19·06	− 0·17	− 0·2
4347	7·3	19·40	− 0·17	− 1·3
			12h	
4379	7·5	19·94	− 0·06	− 0·4
4388	6·0	19·91	0·00	− 0·7
4424*	8·0	20·00	− 0·66	− 1·9
4425*	6·5	19·34	− 0·53	− 4·4

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −40° TO −44°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
4453	7·5	19·64	+ 0·07	− 0·4
4472	8·2	19·62	+ 0·06	− 0·5
4484*	6·5	19·72	− 0·23	− 0·7
4511	7·0	19·17	− 0·09	+ 0·2
4519	8·0	19·53	− 0·12	− 0·2
4546	6·0	19·04	− 0·22	− 0·1
4578	7·0	19·61	− 0·22	− 0·2
4629	7·0	19·53	+ 0·01	− 0·3
4661*	6·5	19·89	− 0·58	− 4·0
4663	7·0	19·93	+ 0·04	− 1·3
4666	6·0	19·87	+ 0·01	− 0·7
4692	7·5	19·74	− 0·03	− 0·8
4697	7·5	19·90	− 0·04	− 0·7
4716	7·1	20·04	+ 0·03	− 2·3
4721	7·0	19·24	− 0·04	− 1·4
		13h		
4734	6·3	19·04	0·00	− 0·7
4763	6·0	19·28	− 0·16	− 0·5
4765	5·5	19·50	− 0·11	− 1·0
4785	8·5	18·98	− 0·10	− 0·6
4788	8·0	19·90	− 0·10	− 0·2
4798	7·3	18·98	− 0·11	− 0·2
4804	8·0	19·93	+ 0·01	+ 0·2
4808	7·5	19·20	− 0·28	− 1·7
4829	7·5	19·39	− 0·01	− 0·7
4858	6·0	19·42	+ 0·04	− 2·0
4882	7·0	19·32	+ 0·11	− 0·4
4889	7·5	19·56	− 0·09	− 0·5
4896	7·0	19·46	− 0·26	− 1·8
4911	7·0	19·21	− 0·03	− 0·1
4913	6·5	19·73	− 0·09	− 1·1
4914	7·5	19·99	+ 0·10	+ 0·3
4917	8·0	19·98	− 0·09	− 1·2
4950	8·0	19·38	− 0·10	− 0·9
4951	7·5	19·58	− 0·20	− 0·5
4952	6·5	19·49 19·60	− 0·07	− 1·6
4959	6·5	19·43	− 0·07	− 0·6
4994	8·0	19·83	− 0·14	− 0·7
5013	7·5	19·10	− 0·12	− 1·2
5017	8·0	19·38	0·00	− 1·1
5032	7·8	19·93	+ 0·08	− 0·5
5033	8·3	19·66	− 0·07	− 2·0
5053*	8·0	19·92	− 0·11	+ 1·6
5065	7·0	19·93	− 0·12	− 1·1
5085	5·0	18·99	+ 0·08	− 0·8
		14h		
5086	6·5	19·79	− 0·06	− 1·4
5100	6·7	19·73	0·00	− 1·2
5124	7·0	19·80	− 0·08	0·0
5138	6·5	19·29	− 0·28	− 1·2
5140	7·5	19·97	− 0·07	− 1·0
5158	7·5	19·59	− 0·07	− 1·6
5168	6·5	18·66	− 0·14	− 1·5
5194	8·0	19·54	− 0·07	+ 0·3
5199	7·0	19·00	− 0·13	− 0·9
5201	7·0	19·01	− 0·03	− 0·6
5220	7·5	19·25	− 0·11	− 1·1
5241	7·5	18·94	− 0·12	− 0·1
5246	8·5	18·56	− 0·12	− 0·8
5259	7·0	18·97	− 0·11	− 0·7
5268	6·5	19·49	+ 0·07	− 0·6
5279	7·5	19·92	+ 0·06	− 0·3
5298	8·0	18·93	− 0·05	− 0·5
5336	7·0	19·92	− 0·07	− 0·6
5359	8·0	19·17	− 0·05	0·0
5362	7·0	19·36	− 0·12	− 0·7
5412*	7·0	19·35	− 0·35	− 3·6
5439	7·0	19·61	− 0·06	− 0·9
		15h		
5463	7·5	19·55	0·00	0·0
5464	6·0	19·05	− 0·17	− 1·7
5507	9·3	18·46	− 0·05	− 0·3
5509	6·0	19·92	+ 0·11	+ 0·4
5510	7·0	19·38	− 0·10	− 0·8
5529	6·0	18·47	− 0·03	− 0·5
5549	7·0	19·57	+ 0·06	− 0·3
5573	8·0	19·48	− 0·13	− 1·4
5593	8·0	19·05	− 0·03	− 0·4
5618	7·0	19·60	+ 0·04	− 1·4
5636	7·5	19·54	− 0·07	+ 0·3
5647*	4·7	19·66	− 0·25	− 0·1
5662	8·5	19·64	− 0·03	− 0·3
5706	7·5	19·24	− 0·03	− 2·4
5718	8·0	19·32	− 0·11	− 1·7
5754	7·0	19·26	− 0·15	− 1·3
5772	7·0	19·21	− 0·14	− 0·2
5775	8·0	19·23	+ 0·02	− 0·6
5779	5·5	18·91	− 0·08	− 0·4
5793*	7·0	19·13	+ 0·10	− 3·7
5798	7·5	19·97	− 0·13	− 0·4
		16h		
5823	7·5	18·94	0·00	+ 0·3
5846*	6·5	19·05	− 0·26	− 2·7
5871	7·5	19·80	− 0·04	0·0
5888	6·0	19·05	− 0·06	− 0·8
5904	8·0	18·99	0·00	− 0·2
5907	6·5	19·37	− 0·10	− 0·9
5965	6·0	19·92	0·00	+ 1·0
5978	8·0	19·54 19·62	− 0·01	− 0·6
5992	8·3	19·55	− 0·01	+ 0·7
5996	6·0	19·36	− 0·02	+ 0·2
6044	6·0	19·79 19·83	+ 0·03	− 0·6
6087	7·0	18·62	− 0·16	− 0·3
6090	8·1	19·59	− 0·01	+ 0·4
6098	5·5	19·23	+ 0·12	+ 0·1
6105	7·2	18·14	− 0·05	+ 0·5
6109	7·0	19·37	− 0·12	− 0·1
6116	7·0	19·85 19·86	− 0·06	− 0·2
6123	8·0	19·07	+ 0·05	+ 0·8
6142	7·5	19·04	− 0·02	− 1·0
6158*	7·5	19·61	+ 0·13	− 3·5
6169	6·5	19·26	+ 0·05	+ 0·1
		17h		
6182	8·0	18·97	0·00	+ 0·5
6197	7·5	19·55	+ 0·07	− 0·8
6226	7·0	19·98	+ 0·01	− 0·2
6237	7·6	19·75	− 0·18	− 0·6
6261	7·5	19·36	+ 0·01	+ 0·4
6292	7·5	19·09	0·00	− 1·9
6311	7·5	19·75	− 0·05	− 0·1
6313	7·5	19·98	− 0·08	− 1·1
6323	8·5	19·07	− 0·11	− 0·6
6332	7·3	19·07	− 0·09	− 1·1
6356*	7·5	18·99	+ 0·30	− 6·8
6428	5·8	18·63	+ 0·11	− 0·1
6461	7·8	19·00	+ 0·02	+ 1·0
6469	5·3	18·49	+ 0·01	+ 0·1
6478	7·5	18·87	+ 0·06	+ 0·1
6494	7·5	19·07	− 0·01	− 0·4
6505	8·0	20·00	− 0·08	− 1·1
6514	6·0	19·05	+ 0·12	− 1·8
		18h		
6537	6·0	19·90	+ 0·03	− 0·6
6550	6·0	18·97	− 0·01	− 0·3
6552	7·0	19·08	+ 0·02	− 1·2
6553	7·0	19·00	+ 0·17	− 0·8
6560	8·3	18·91	− 0·02	0·0
6585	6·8	19·05	− 0·04	− 0·3
6614	8·0	17·60	− 0·05	− 1·4
6653	8·0	19·01	+ 0·04	− 2·8
6693	7·5	19·35	+ 0·05	− 0·2
6697	8·0	19·00	+ 0·02	− 0·8
6717	7·5	18·98	+ 0·10	− 0·4
6743	7·0	19·02	+ 0·09	− 0·5
6754	5·5	18·94	+ 0·01	− 0·6
6758*	5·5	18·68	+ 0·08	+ 0·3
6776	7·0	19·44	− 0·03	− 1·0
6796	6·0	19·58	+ 0·02	− 0·5
6828	7·5	19·05	0·00	− 0·4
6830	7·0	19·80	− 0·08	+ 0·2
6857	7·5	18·81	− 0·02	− 1·0
6859	8·0	19·54	+ 0·07	− 1·0
		19h		
6872	8·5	19·53	− 0·08	− 2·7
6876	6·5	19·15	+ 0·02	+ 0·4
6945	7·0	18·97	− 0·06	− 0·6
6956*	4·0	18·99	+ 0·05	− 2·5
6957	6·5	19·30 19·39	+ 0·10	+ 0·3
6977	8·0	19·96	+ 0·01	− 2·2
6987*	6·0	19·38	+ 0·27	− 2·7
7001	8·0	19·05	+ 0·04	− 0·2
7013	6·0	19·06	+ 0·01	− 0·2
7036	8·5	19·21	0·00	− 0·3
7076	7·0	19·61	− 0·07	− 0·4
7087	7·5	19·60	− 0·16	− 1·1
7093	7·5	19·57	− 0·08	− 0·4
7103	8·0	19·03	− 0·04	− 0·1
7115	6·0	19·75	+ 0·01	0·0
7131*	5·0	20·00	− 0 01	+ 1·1
7152	8·8	19·98	− 0·05	− 0·8
7162	6·5	19·88	+ 0·12	+ 0·7
7178	8·0	18·99	− 0·04	− 0·4
7180	8·0	19·94	− 0·03	− 0·9
		20h		
7210	7·5	19·22	+ 0·05	− 1·9
7227	7·5	18·96	− 0·02	+ 0·7
7237	6·3	19·65	+ 0·02	− 1·9
7249	8·0	19·20	− 0·12	− 0·2

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −40° TO −44°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
7255	7·5	18·97	+ 0·03	− 0·7
7259	7·0	19·20	+ 0·14	− 0·8
7267	7·0	17·98	+ 0·07	− 1·3
7292*	5·8	19·00	+ 0·17	− 1·5
7297	6·0	19·17	− 0·07	+ 0·9
7298	8·0	19·34	− 0·16	− 0·5
7314	8·0	19·92	− 0·01	0·0
7334	8·0	19·24	− 0·07	− 0·1
7354*	6·5	19·00	− 0·13	− 3·9
7363	7·0	18·95	+ 0·02	− 0·7
7379	8·0	19·44	+ 0·01	− 0·4
7383	6·5	19·95	+ 0·04	− 0·3
7394	8·5	19·09	− 0·02	− 0·1
7397	6·0	19·20	− 0·02	+ 0·4
7446	7·0	19·93	− 0·04	+ 0·1
7477	8·0	19·37	+ 0·02	− 0·6
7478*	5·0	19·90	+ 0·14	− 1·3
7481	6·5	19·17	− 0·17	− 1·5
7503	8·5	19·00	− 0·10	− 1·4
7509	7·3	19·05	− 0·01	+ 0·7
7526	6·5	19·47	+ 0·12	− 1·9
7535	7·0	19·80	+ 0·18	+ 0·6
7540	7·0	19·89	− 0·06	− 1·0
7544*	6·0	18·99	+ 0·08	0·0
		21h		
7563	7·0	19·00	+ 0·01	− 0·4
7583	7·0	19·24	+ 0·11	+ 0·4
7609*	7·0	19·77	+ 0·46	+ 1·1
7616	7·3	19·44	− 0·03	+ 0·2
7645	6·0	19·62	+ 0·07	+ 1·0
7662	5·8	19·52, 19·55	− 0·05	+ 0·9
7677	7·0	19·48	+ 0·10	− 1·1
7690	6·0	19·75	− 0·03	+ 0·1
7702	6·5	19·09	− 0·05	− 0·4
7725	8·0	19·42	− 0·10	+ 0·1
7731	6·5	19·40	+ 0·08	+ 0·1
7732	6·5	19·75	− 0·04	− 0·2
7737	7·0	19·44, 19·52	− 0·07	− 0·5
7752*	7·0	19·25, 19·38	+ 0·35	− 1·3
7805	7·0	19·42	− 0·13	0·0
7844	6·8	19·91	− 0·06	− 0·3
7848	8·0	19·41	+ 0·09	− 1·3
7856	7·2	19·59	− 0·05	− 0·1
		22h		
7900	7·0	19·02	+ 0·05	− 0·6
7919	7·0	19·20	+ 0·06	− 0·6
7930*	6·5	19·84	+ 1·07	−15·6
7988	7·0	19·92, 19·88	+ 0·17	− 0·6
8021	7·0	18·96	0·00	+ 1·1
8037	7·5	19·89	+ 0·11	+ 0·5
8059	6·8	19·57	+ 0·08	− 1·4
8065	6·8	19·60	− 0·10	+ 0·3
8097	6·0	19·69	+ 0·02	− 2·0
8104	8·0	19·46	− 0·10	− 0·4
8141*	8·0	18·99	− 0·70	− 4·3
8145	7·8	19·01	− 0·03	− 0·1
8167	8·5	19·93	0·00	+ 0·1
8171	7·0	19·24	+ 0·16	+ 0·6
8172	7·5	19·38	− 0·15	− 0·3
8195	7·3	19·08	− 0·05	− 1·1
8210	7·5	19·42	+ 0·06	− 2·8
8211	6·5	19·35	+ 0·12	+ 0·4
8214	6·0	19·53	+ 0·01	+ 1·4
8218	7·5	19·39	− 0·28	− 0·8
		23h		
8221	7·0	19·04	− 0·10	− 0·3
8246*	6·0	19·04	− 0·62	− 1·1
8247*	7·0	19·31	+ 0·05	0·0
8251	7·2	19·99	+ 0·11	− 0·6
8258	8·3	19·89	+ 0·08	− 0·3
8274	6·3	19·03	+ 0·15	− 1·7
8286	8·5	19·05	− 0·05	+ 1·1
8289	7·0	19·75	− 0·05	+ 0·5
8301	7·8	18·99	0·00	+ 0·7
8304	7·8	19·73	+ 0·06	− 0·4
8321	7·1	19·37	− 0·01	+ 0·9
8323	7·0	19·80	+ 0·23	− 0·5
8337	8·3	19·02	− 0·06	− 0·3
8363*	6·8	19·25	− 0·09	− 1·4
8367	7·7	19·00	− 0·03	− 0·9
8377	8·0	19·04	+ 0·03	− 0·3
8387*	4·8	19·06	+ 0·16	0·0
8427	7·2	19·42	+ 0·03	− 0·6
8433	8·0	19·06	+ 0·18	+ 1·1
8440	7·5	19·42	− 0·02	+ 0·3
8451	6·5	19·97	+ 0·19	− 1·4
8484	7·5	19·07	− 0·01	0·0
8485	7·0	19·18	+ 0·18	− 1·8
8486	7·5	19·77	+ 0·06	+ 0·2
8515*	7·5	18·48	− 0·21	− 2·2
8526	6·6	19·02	+ 0·09	− 0·1
8539	8·0	19·51	− 0·11	− 0·7
8546	7·0	19·21	+ 0·05	+ 0·3
8548	7·5	19·23	+ 0·10	+ 0·1

CAPE 1900—CAPE 1880 δ −44° TO −48°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		0h		
		y	s	″
25*	4·0	21·97, 21·94	+ 0·31	− 4·0
28	7·5	22·02	− 0·03	+ 0·1
76	7·5	21·98	− 0·07	+ 0·6
119	4·0	20·78	+ 0·03	+ 0·9
152	7·5	20·87	− 0·09	− 1·0
153	7·8	21·97	− 0·03	+ 1·0
167	7·0	21·94	+ 0·05	− 0·8
186	7·5	21·81	− 0·15	+ 1·4
197*	6·5	21·82	+ 0·22	+ 1·1
203*	5·0	21·76, 22·24	+ 0·11	+ 0·1
215	7·0	21·75	+ 0·08	+ 0·9
246	6·6	21·89	− 0·02	+ 1·0
269	7·2	20·97	0·00	− 0·4
289*	7·0	21·90	− 0·20	− 2·5
330	5·5	22·03	+ 0·07	+ 0·2
		1h		
		y	s	″
347*	4·0	21·98	+ 0·28	+ 0·6
360	7·0	22·01	+ 0·04	+ 1·1
435*	7·3	21·96	+ 0·39	+ 1·6
440*	6·5	20·91	+ 0·31	+ 1·7
450	8·0	21·95	+ 0·02	+ 1·2
452	7·0	21·97	− 0·09	− 0·2
466	7·1	21·92	− 0·02	+ 1·9
467	8·1	21·90	+ 0·06	+ 0·8
476	7·2	21·83	− 0·11	+ 1·1
487	6·0	21·99	+ 0·02	0·0
504*	7·8	21·96	+ 0·16	+ 2·8
522	7·3	21·98	+ 0·09	+ 0·6
528	8·3	21·87	− 0·03	+ 2·4
578	7·5	21·88	+ 0·07	+ 0·3
598	8·0	21·83	− 0·13	− 1·0
607*	4·5	21·87	− 0·09	− 1·2
629*	5·0	21·97	+ 0·37	+ 1·5
650	8·5	20·81	+ 0·17	− 1·3
652	5·7	21·93	− 0·06	− 1·1
655	7·9	21·98	+ 0·02	+ 0·2
		2h		
694	7·5	22·07	+ 0·22	− 0·7
698	6·5	20·82	+ 0·09	0·0
711	7·5	21·91	− 0·10	− 0·2
747	9·0	19·91	− 0·27	+ 0·6
754	8·0	21·01	− 0·11	+ 0·9
794	7·5	21·96	+ 0·02	+ 1·1
823	7·7	21·97	− 0·11	+ 0·2
846	8·0	21·94	+ 0·07	+ 0·7
862	8·5	20·93	− 0·11	− 0·3
889	7·7	21·97	− 0·21	− 0·4
901	7·0	22·02	− 0·02	+ 0·1
922	7·9	22·01	+ 0·07	+ 0·5
923	7·3	22·04	+ 0·04	+ 0·3
929	8·2	20·94	− 0·05	− 4·7

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −44° TO −48°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
934	8·2	21·99	+ 0·03	+ 0·8
946	8·0	21·96	+ 0·16	+ 1·2
976	7·0	20·95	+ 0·16	− 2·7
995	7·5	22·00	− 0·14	+ 0·5
1000*	7·0	21·95	+ 0·04	+ 0·6
1002	8·3	21·28	+ 0·01	− 1·2
		3h		
1048	6·5	20·63	+ 0·26	+ 0·2
1049	8·1	22·21	− 0·10	− 1·2
1053	7·8	22·27	− 0·21	− 1·3
1064	8·1	20·97	− 0·10	+ 0·8
1102	7·3	22·26	+ 0·06	− 2·0
1119	8·1	21·99	− 0·09	+ 0·1
1139	7·3	20·93	− 0·04	− 0·6
1153	6·0	22·86	+ 0·21	+ 1·3
1181	7·1	20·95	+ 0·02	− 0·1
1202	8·0	22·26	− 0·01	− 0·8
1221	6·7	22·54	− 0·12	+ 0·5
1239	5·8	21·66	+ 0·01	− 0·4
1271	7·0	21·62	+ 0·06	+ 0·6
1281	7·5	21·67	− 0·09	+ 1·8
1282	8·3	21·97	− 0·04	− 0·2
1285	8·0	22·84	+ 0·03	+ 0·2
1292	7·3	20·93	+ 0·08	− 1·0
1297	7·3	21·99	− 0·02	0·0
1317	8·0	21·94	− 0·02	− 1·4
1336	7·8	21·99	+ 0·10	+ 0·8
		4h		
1351	7·8	20·96	− 0·07	+ 1·1
1362	7·7	21·56	− 0·02	+ 0·3
1379	7·0	22·27	+ 0·17	+ 0·7
1399	7·0	21·26	+ 0·19	− 0·7
1432	7·7	22·00	+ 0·13	+ 2·1
1441	5·5	21·00	+ 0·21	− 1·2
1468	7·3	22·24	− 0·04	− 0·1
1469	8·3	21·27	− 0·02	+ 0·9
1474	7·0	21·28	+ 0·08	+ 1·5
1480	7·7	22·59	− 0·08	+ 1·3
1490*	6·5	22·55	+ 0·06	− 6·4
1500	7·0	21·99	+ 0·16	+ 1·0
1509*	5·5	21·97	− 0·05	+ 0·4
1538	7·7	22·02	+ 0·17	+ 1·1
1549	7·9	21·59	− 0·05	+ 0·4
1562	8·3	21·68	− 0·22	+ 0·7
1600	8·3	18·99	− 0·08	− 1·1
1607	7·0	21·58	− 0·06	+ 0·6
1612	7·5	22·00	+ 0·15	+ 1·4
1633	7·6	21·70	− 0·13	− 0·9
1651	8·1	20·95	+ 0·13	+ 0·1
		5h		
1696	8·0	19·06	− 0·16	+ 0·3
1713	7·0	20·72	+ 0·16	+ 0·9
1727*	7·6	20·65	+ 0·01	+ 3·2
1772	7·3	22·01	+ 0·03	+ 1·2
1789	7·4	21·96	+ 0·01	− 0·7
1801	8·3	21·02	− 0·05	+ 0·5
1821	6·8	20·98	+ 0·02	− 0·3
1825	8·4	21·99	+ 0·14	+ 0·2
1831	8·5	18·97	− 0·10	+ 1·2
1833	8·0	21·48	− 0·03	+ 1·1
1834	7·8	21·98	− 0·01	− 0·5
1853	7·1	22·00	+ 0·05	+ 0·2
1866	7·7	21·98	− 0·05	+ 0·8
1887	7·0	21·97	− 0·13	+ 0·1
1888	8·4	21·02	+ 0·05	− 0·4
1900	8·2	21·98	− 0·02	+ 1·1
1905*	8·0	22·00	− 0·19	−10·2
1922	8·4	20·70	− 0·05	+ 0·5
1930	7·7	21·94	− 0·06	+ 1·1
1938	7·0	21·97	+ 0·13	+ 2·5
1949	7·5	22·00	− 0·12	+ 0·3
1950	6·8	21·95	+ 0·05	+ 1·7
1953	8·0	20·35	− 0·17	+ 0·2
1954*	7·8	22·00	+ 0·15	+ 3·2
1970	7·9	19·92	− 0·04	+ 0·2
1994	7·5	21·96	+ 0·02	+ 0·8
1999	7·9	21·96	− 0·03	0·0
2013	7·2	21·02 20·99	+ 0·21	+ 1·6
		6h		
2066*	7·8	21·93	+ 0·07	− 0·9
2069	7·4	21·99	+ 0·19	+ 1·1
2071	7·6	21·92	− 0·22	+ 0·4
2078	7·3	20·31	− 0·04	0·0
2079	8·5	20·29	− 0·04	− 0·1
2096	6·5	23·17	− 0·09	+ 1·1
2098	8·4	20·99	− 0·04	0·0
2169	7·7	21·89	+ 0·01	− 0·2
2209	7·5	22·00	+ 0·03	+ 0·9
2229	7·6	21·96	+ 0·14	− 0·2
2261	8·0	20·93	− 0·10	0·0
2286	7·3	22·01	+ 0·09	0·0
2315	7·5	22·03	+ 0·08	− 0·6
2323	7·5	21·95	+ 0·05	+ 0·1
2394	7·2	21·99	+ 0·05	+ 0·6
2402	7·3	21·94	− 0·06	0·0
2404	8·0	22·00	+ 0·06	+ 0·1
		7h		
2464	7·8	23·22 22·29	− 0·03	+ 0·6
2490*	5·0	21·99	− 0·25	+ 2·8
2497	5·5	20·91	− 0·05	− 3·3
2500*	5·7	20·89	+ 0·16	+ 6·8
2503	7·9	21·96	− 0·05	+ 0·1
2509	6·5	21·92	− 0·03	+ 0·1
2524*	7·5	21·90	+ 0·04	+10·5
2534	7·8	21·95	− 0·01	+ 0·3
2585	7·9	18·98	− 0·07	+ 0·8
2588	8·5	18·99	− 0·19	+ 1·3
2596	8·4	20·94	− 0·13	− 0·4
2598	7·7	18·97	− 0·10	0·0
2630	8·1	20·89	− 0·08	+ 1·2
2631	7·0	20·97	− 0·02	− 0·1
2641	7·3	20·86	− 0·15	− 0·3
2673	7·5	20·89	+ 0·01	− 0·9
2679*	6·5	20·57	− 0·20	−12·3
2698	8·1	20·60	− 0·13	+ 0·1
2710	7·7	21·88	− 0·01	− 0·1
2715	5·9	21·84	+ 0·02	+ 1·1
2716	7·5	22·08	− 0·02	+ 0·8
2730*	4·0	21·89	+ 0·02	− 0·2
2731	7·0	20·92	− 0·15	− 0·3
2738	8·4	21·89	+ 0·03	− 0·4
2764	7·5	20·93	+ 0·05	− 0·3
2772	7·0	21·96	− 0·10	+ 0·4
2778	8·4	18·97	− 0·22	− 0·4
2781	7·9	21·95	− 0·04	+ 1·1
2782	7·4	21·88	+ 0·02	+ 1·1
2797	7·8	20·88	− 0·04	− 0·2
2799	8·0	20·88	− 0·12	+ 0·2
2813	7·4	20·53	− 0·03	− 0·1
		8h		
2829	8·3	21·87	+ 0·08	− 0·6
2834	7·2	21·90	− 0·02	+ 0·3
2835	7·8	20·88	+ 0·05	− 0·1
2860	5·9	21·91	+ 0·15	+ 0·9
2872	7·2	21·95	+ 0·13	− 0·3
2887	5·8	21·91	− 0·02	− 0·2
2894	7·3	21·87	− 0·01	+ 0·4
2913	7·8	21·91	+ 0·08	0·0
2924	8·3	20·57	− 0·08	+ 0·5
2925	7·3	22·01	+ 0·03	+ 0·1
2939	8·6	19·92	− 0·12	− 0·4
2945	8·3	20·61	− 0·12	− 0·2
2954	8·3	21·95	+ 0·05	+ 1·5
2973	7·8	21·90	+ 0·17	+ 0·1
2993	7·9	21·90	− 0·01	+ 0·2
2998	7·0	21·90	− 0·02	+ 0·3
3008	7·5	21·92	+ 0·06	+ 0·2
3016	7·4	21·83	+ 0·03	− 0·3
3017	7·0	21·82 21·84	− 0·15	+ 0·1
3035	7·8	20·87	− 0·13	− 0·2
3038	8·0	20·85	− 0·02	+ 0·2
3039	7·6	21·96	+ 0·13	0·0
3047	7·5	21·91	+ 0·07	− 0·3
3064	6·5	20·51	− 0·04	+ 0·1
3070	5·0	21·89	+ 0·02	− 1·1
3073	6·0	20·57	+ 0·14	+ 0·2
3075	6·0	21·46	− 0·07	− 0·5
3082*	7·9	20·57	− 0·25	+ 0·1
3094	8·3	20·19	− 0·04	− 0·4
3096*	7·5	20 22	− 0·45	+ 2·6
3104	7·6	19·92	− 0·12	− 0·1
3105	7·4	20·37	− 0·13	− 0·4
3107	7·3	21·95	− 0·02	+ 0·1
3127	6·0	20·90	− 0·06	0·0
3133	5·5	21·93	+ 0·10	− 0·6
3156	6·0	21·92	+ 0·06	− 1·3
3166	7·0	20·93	− 0·03	0·0
3190	6·0	21·89	− 0·11	+ 0·8
3191	7·8	21·86	− 0·06	− 0·3
		9h		
3222	7·3	21·22	− 0·11	− 0·8
3223*	5·0	21·93	+ 0·04	− 0·4
3245	7·3	20·90	− 0·04	− 0·3
3258	7·6	21·94	− 0·09	− 0·2
3272	6·3	21·89	− 0·01	+ 0·1
3277	7·5	21·63	− 0·10	− 0·5
3283	6·5	21·96	+ 0·14	+ 0·3
3296	7·3	21·90	+ 0·05	− 0·5
3305	7·5	20·77	− 0·14	+ 0·3
3321*	8·0	20·89	− 0·55	+ 3·6
3330	7·7	20·88	+ 0·02	+ 0·3
3333	8·2	21·89	+ 0·07	+ 0·6
3339	7·4	21·94	− 0·01	+ 0·7
3352	7·3	21·91	+ 0·22	− 0·1
3353	6·5	21·92	− 0·19	− 0·2
3363	8·0	21·94	− 0·13	+ 0·4
3387	7·6	20·98	− 0·22	+ 0·4
3393	7·8	20·88	− 0·05	− 0·7
3426	8·6	18·98	− 0·16	− 0·3
3427*	9·1	18·94	− 0·33	− 0·2

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −44° TO −48°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
3468	8·7	20·84	− 0·01	− 0·7
3497	8·1	21·94	+ 0·08	+ 0·8
3501	6·5	20·93	0·00	− 0·2
3521	5·8	21·98	+ 0·01	+ 0·2
3531	7·3	21·92	− 0·04	+ 0·5
3533*	7·0	21·92	+ 0·08	− 0·5
3553	7·2	21·97	+ 0·01	+ 0·6
3576	6·5	21·41	+ 0·06	− 0·5
3610	6·9	21·91	+ 0·07	0·0
3617*	8·7	21·96	+ 0·32	+ 0·4
		10h		
3632	5·3	21·95	+ 0·15	− 0·8
3650	7·1	21·92	0·00	+ 0·4
3658	7·8	21·91 20·61	+ 0·15	+ 0·9
3661	7·5	20·88	− 0·18	+ 0·8
3700	7·3	21·89	− 0·02	+ 0·3
3714	7·8	20·89	+ 0·05	+ 1·1
3717*	6·7	21·91	+ 0·09	+ 0·2
3732	8·0	21·88	− 0·15	+ 0·5
3760	7·3	19·85	+ 0·01	− 1·7
3795	7·0	20·58	− 0·01	− 0·5
3820	7·6	18·93	− 0·14	− 1·2
3824	8·0	21·78	− 0·03	+ 0·5
3849	7·9	21·23	− 0·26	+ 1·0
3890	7·5	21·93	− 0·30	+ 1·1
3892	7·8	22·00	− 0·04	+ 0·8
3912	8·1	21·95	+ 0·02	+ 0·5
3948	7·3	21·95	− 0·08	+ 0·2
3950	8·0	20·91	0·00	+ 0·4
3963	8·0	21 87 21·88	+ 0·05	0·0
		11h		
3988	6·5	21·92	− 0·18	+ 0·6
3993	7·8	21·95	+ 0·15	+ 0·1
4002	7·6	21·93	− 0·15	− 0·1
4031	7·8	20·80	− 0·03	− 0·8
4038	7·0	21·92	+ 0·02	+ 1·3
4040	8·1	21·94	− 0·16	+ 0·3
4046	8·3	21·86	+ 0·09	− 1·1
4064	7·5	21·95	− 0·17	0·0
4065	8·0	21·96	+ 0·07	− 1·0
4078	8·5	21·97	− 0·06	+ 0·2
4091	7·8	21·91	+ 0·05	− 0·7
4102	7·4	20·95	− 0·19	− 0·7
4143	8·2	20·54	− 0·12	− 0·4
4150	8·2	20·57	− 0·23	− 0·6
4163	8·2	22·01	0·00	− 0·1
4188	7·1	21·93	− 0·23	− 0·8
4192*	5·8	21·84	+ 0·14	− 0·7
4207	7·8	20·81	− 0·13	− 0·8
4213	8·0	21·88	− 0·07	+ 0·3
4228	8·3	20·25	− 0·12	+ 0·2
4252	6·0	20·99	− 0·18	− 0·2
4281*	5·0	20·97	− 0·13	− 0·4
4317	7·2	22·02	− 0·24	0·0
4330	7·8	21·98	− 0·07	− 0·2
4335	7·5	21·99	+ 0·16	− 0·2
4339	8·7	20·96	− 0·16	− 1·7
4354	7·5	21·97	+ 0·05	− 0·5
		12h		
4381	7·8	20·82	− 0·18	− 0·9
4451	7·9	21·93	+ 0·09	− 0·4
4483	8·0	21·93	+ 0·02	+ 0·1
4560*	4·0	21·97	− 0·49	− 0·1
4561	8·1	20·87	− 0·13	− 0·7
4583	8·2	21·88	+ 0·08	+ 0·9
4615	8·1	20·94	− 0·14	− 0·7
4622	7·6	21·01	+ 0·04	− 1·2
4635	7·0	21·97	+ 0·02	+ 0·4
4646	7·2	21·97	0·00	0·0
4673	7·6	21·93	− 0·16	+ 0·6
4701	7·8	20·95	− 0·05	− 1·5
		13h		
4733	7·9	21·92	− 0·06	− 1·1
4751	7·3	21·95	+ 0·08	− 0·7
4797	7·3	20·92	+ 0·01	0·0
4805	7·0	22·02	− 0·01	− 0·6
4809	8·6	20·99	+ 0·01	+ 0·2
4811	7·0	21·98	+ 0·06	− 0·1
4821	7·0	21·97	− 0·18	+ 1·2
4833	7·3	21·92	+ 0·07	+ 1·3
4851	7·8	21·93	+ 0·03	− 0·2
4857	8·4	21·41	− 0·13	− 0·2
4888*	7·6	19·08	− 0·05	− 3·0
4891	7·6	20·91	− 0·12	0·0
4899	7·2	21·99	+ 0·05	− 0·6
4916	6·3	22·00	+ 0·12	− 0·3
4930	7·7	21·01	− 0·07	− 0·4
4940	7·5	21·96	− 0·12	− 0·1
4988	7·9	20·89	− 0·10	+ 1·2
5003	6·0	21·96	− 0·17	− 0·4
5005	7·8	21·42	+ 0·03	− 1·1
5019	7·0	21·86	− 0·05	− 0·4
5024	7·0	21·80	− 0·27	0·0
5039	7·8	21·85	+ 0·01	0·0
5044	4·5	20·86	− 0·01	− 1·1
5050	7·7	21·00	− 0·13	− 1·9
5057	7·2	21·96	− 0·02	+ 0·3
5066	5·0	21·94	+ 0·16	− 0·5
5075	7·9	21·00	+ 0·04	− 1·5
		14h		
5091	7·3	21·89	0·00	− 0·1
5107	8·1	21·44	− 0·01	− 0·1
5143*	7·0	20·92	+ 0·28	− 3·2
5166	7·8	21·91	− 0·02	+ 0·6
5170	6·0	20·84	+ 0·11	− 2·0
5182	6·5	21·97	0·00	− 0·2
5208	5·0	20·95	− 0·01	+ 0·2
5218	7·8	22·00	− 0·11	− 0·1
5223	7·0	21·95	− 0·02	− 0·5
5239	7·9	19·83	− 0·20	− 0·1
5240	7·8	20·86	− 0·28	+ 1·2
5257	7·9	21·30	− 0·11	− 1·3
5263	8·1	21·93	+ 0·02	− 0·8
5269	7·8	21·96	+ 0·04	− 0·4
5280	7·5	21·92	+ 0·05	+ 0·1
5288*	7·0	21·91	− 0·32	− 4·7
5304	7·7	21·37	− 0·09	+ 0·2
5310	7·4	21·93	− 0·02	− 0·7
5329	7·6	20·95	− 0·07	− 1·2
5332	7·0	21·94	− 0·04	− 0·1
5370	7·4	20·91	− 0·08	− 1·8
5394	7·5	20·88	+ 0·24	− 0·5
5406	8·6	21·93	+ 0·14	+ 0·3
5411	7·8	21·95	− 0·09	+ 0·5
5440*	4·0	22·00	+ 0·05	− 0·1
5470*	5·0	20·96	− 0·12	0·0
5486	7·1	21·94	+ 0 07	− 1·1
5490	5·2	20·93	− 0·04	− 0·8
5504	7·4	21·97	+ 0·12	− 0·1
5512	7·3	20·94	− 0·18	− 0·2
5515	7·7	21·95	− 0·13	− 0·6
5516	7·5	21·90	− 0·32	+ 0·7
5542	7·3	20·98	+ 0 07	− 0·2
5545*	7·0	21·92	− 3·61	− 5·7
5547	6·0	21·94	− 0·21	− 2·2
5556	7·3	21·89	− 0·02	+ 0·2
5577	8·0	21·93	− 0·04	− 0·1
5602	7·7	21·94	+ 0·07	+ 0·2
5610	7·3	20·91	− 0·03	+ 0·1
5615	8·5	21·94	− 0·01	− 1·5
5631	5·0	19·83	− 0·10	− 0·6
5649	7·4	21·92	+ 0·05	− 0·2
5666*	5·2	20·84	− 0·37	− 5·0
5669	8·5	21·97	− 0·03	+ 0·7
5723	7·5	21·79	+ 0·23	− 0·2
5728	7·3	21·91	− 0·21	− 0·4
5749	8·5	21·95	+ 0·08	+ 0·2
5753	7·3	21·01	− 0·15	− 1·4
5765	6·8	21·98	− 0·24	− 1·6
5771	7·8	20·79	+ 0·03	− 0·2
5816*	5·0	20·97	+ 0·20	+ 1·2
		16h		
5827	7·3	21·88	+ 0·06	0·0
5863	8·2	21·94	0·00	+ 0·3
5870	8·3	21·86	− 0·14	− 0·2
5899	7·3	21·82	+ 0·05	+ 0·4
5901	7·5	20·90	− 0·05	+ 0·5
5919	7·9	20·90	− 0·02	0·0
5920	7·1	21·95	+ 0·12	+ 0·6
5934	7·7	21·89	− 0·17	0·0
5943	8·4	20·70	− 0·10	+ 1·1
5975	7·5	21·95	+ 0·01	+ 0·9
6018	7·3	21·90	− 0·03	+ 0·8
6025	7·5	21·23	+ 0·13	− 1·8
6031	6·9	21·77	− 0·02	+ 0·8
6050	6·8	21·92	− 0·03	+ 0·2
6057	8·0	21·87	+ 0·02	+ 0·7
6138	7·3	20·79	0·00	− 0·3
6140	7·7	21·79	− 0·05	+ 0·4
6160	7·9	21·76	+ 0·06	+ 0·9
		17h		
6176	7·4	21·78	− 0·15	+ 0·7
6190	7·5	21·93	+ 0·04	− 0·2
6193	5·8	20·76 20·75	+ 0·02	− 0·3
6209	7·6	21·91	+ 0·01	− 0·2
6221	8·3	20·33	− 0·13	− 0·2
6229	7·4	20·69	0·00	+ 0·4
6238	8·0	21·70	− 0·09	− 0·3
6241*	6·0	21·78	+ 2·12	+ 5·4
6243	7·4	20·71	− 0·04	+ 0·3
6251	7·8	21·86	− 0·06	+ 0·1
6266	7·7	21·68	− 0·05	+ 0·1
6271	6·0	20·89	+ 0·09	− 1·3

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −44° TO −48°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
6274	7·5	20·73	− 0·05	+ 1·3
6275	7·3	21·85	+ 0·19	− 0·4
6293	7·5	21·62	− 0·01	+ 1·1
6294	8·0	20·90	− 0·09	− 1·0
6299	7·8	21·87	− 0·13	+ 0·4
6305	8·0	20·69	− 0·09	− 0·1
6318	7·3	21·87	− 0·02	+ 0·7
6329	7·5	20·50	− 0·07	− 0·1
6331	8·0	21·79	0·00	− 0·9
6338	5·2	21·83	− 0·02	− 0·1
6371	6·5	21·86	+ 0·08	0·0
6374	7·5	21·81	+ 0·22	− 0·1
6379	7·8	21·89	− 0·03	+ 0·3
6384	7·3	21·51	− 0·04	+ 1·0
6391	8·5	21·17	+ 0·15	− 0·9
6393	7·4	21·87	+ 0·04	+ 0·1
6398	8·0	20·80	+ 0·03	− 0·2
6410	8·4	21·69	+ 0·09	− 0·9
6412	7·5	21·96	+ 0·05	+ 0·9
6418	8·3	21·28	− 0·04	− 0·2
6423	7·5	21·71	+ 0·11	− 0·6
6431	7·0	21·64	− 0·08	+ 0·4
6438	9·0	19·92	− 0·29	− 0·5
6453	8·4	20·29	− 0·16	− 1·4
6456	8·0	21·94	+ 0·06	+ 1·4
6459	5·0	20·68	− 0·11	+ 0·2
6468	8·6	20·50	− 0·11	− 0·8
6470	8·0	21·97	+ 0·06	0·0
6475	8·5	21·93	0.00	− 0·4
6507	8·3	21·83	− 0·17	+ 0·8
6513	8·1	21·85	− 0·01	+ 0·6
6517	8·0	20·08	− 0·13	− 1·6
			18h	
6529	7·9	21·43	− 0·06	− 0·6
6535	6·5	21·86	− 0·05	− 0·1
6554	8·0	21·87	+ 0·05	− 0·1
6561	8·0	21·78	− 0·02	+ 0·1
6568	7·0	20·73	+ 0·13	+ 0·5
6588	7·4	21·83	− 0·07	− 1·4
6592	8·2	21·86	+ 0·13	− 0·1
6619	5·8	20·86	+ 0·04	+ 0·1
6624*	8·3	20·81	− 0·36	− 0·4
6634*	4·0	21·84	+ 0·02	− 1·5
6649	8·2	21·81	− 0·12	+ 0·5
6655	7·7	21·74	− 0·14	+ 0·8
6657	8·0	21·81	− 0·19	+ 0·2
6661*	6·0	21·89	− 0·06	0·0
6691	7·8	21·89	+ 0·09	+ 0·9
6721	7·2	21·88	− 0·08	− 0·4
6742	7·4	20·55	+ 0·10	− 0·6
6756	8·3	20·34	− 0·07	+ 0·8
6761	7·2	21·80	+ 0·09	+ 2·0
6765	7·7	21·81	− 0·08	+ 0·1
6766	8·3	20·82	− 0·13	− 0·4
6774	6·0	21·76	+ 0·14	+ 0·7
6782	7·3	21·73	− 0·08	+ 0·1
6805	7·9	20·83	+ 0·03	0·0
6817	8·1	21·95	+ 0·11	− 0·4
6825	8·0	21·88	− 0·08	+ 0·2
6838*	7·5	21·98	− 0·04	− 2·6
6839	7·8	21·91	+ 0·09	− 0·2
6843	7·7	21·88	+ 0·08	+ 0·7
6855	8·5	20·84	− 0·04	+ 0·6
6861	7·5	21·89	0·00	+ 0·2
6862	8·0	20·92	− 0·08	+ 0·3
6901*	6·5	21·90	+ 0·25	− 1·0
6909	6·0	21·88	+ 0·12	+ 1·1
6922	7·0	21·91	+ 0·04	− 0·5
6938	7·3	21·89	+ 0·14	− 0·4
6962	7·0	20·92	0·00	− 0·4
6970	7·3	21·93	+ 0·14	+ 1·2
6998	7·0	21·93	+ 0·04	− 0·3
7002*	7·0	20·92	− 0·26	+ 1·3
7005*	7·5	21·95	+ 0·23	− 3·9
7006	6·0	21·90	0·00	− 0·2
7024	8·0	21·89	+ 0·04	+ 0·8
7071	7·5	20·91	− 0·06	+ 0·4
7088	7·8	21·93	+ 0·17	− 0·9
7100	7·0	21·83	+ 0·01	+ 0·1
7101	7·0	21·90	− 0·02	− 0·7
7102	7·9	21·86	+ 0·10	− 0·4
7109	8·8	21·82	− 0·03	+ 0·2
7127	8·2	21·87	+ 0·10	− 0·4
7135	8·0	20·86	− 0·01	− 0·4
7149*	8·0	21·86	+ 0·27	+ 0·9
7163	6·0	21·93	0·00	− 0·4
7165*	7·8	20·54	− 0·04	− 2·5
7167	7·3	21·94	− 0·04	+ 0·2
7174	7·6	20·51	+ 0·06	− 1·0
7175	7·5	21·97	− 0·07	− 0·3
7191	7·5	21·98	− 0·01	+ 0·2
			19h	
		y	s	″
7213	8·4	20·96	+ 0·04	− 1·6
7219	7·2	20·91	+ 0·01	+ 0·8
7222	7·3	21·79	+ 0·19	− 1·1
7231	9·4	21·80	− 0·03	− 1·2
7272	8·0	20·74	+ 0·07	+ 0·9
7308	7·5	21·82	+ 0·12	0·0
7333	8·0	20·90	− 0·01	+ 0·5
7357	5·8	20·92	+ 0·03	− 0·2
7369	7·5	20·74	+ 0·01	+ 1·3
7373	7·8	21·98	+ 0·08	+ 0·8
7377*	3·0	21·89	+ 0·18	+ 0·9
7384	8·4	20·76	+ 0·06	− 0·6
7393	8·2	21·88	− 0·03	+ 0·1
7403	8·0	21·96	− 0·09	+ 0·5
7404	6·9	21·80	+ 0·05	+ 0·9
7435	8·0	21·78	+ 0·13	+ 0·6
7437	7·5	21·96	− 0·05	+ 1·1
7443	7·0	20·81	+ 0·29	− 1·2
7451	8·1	21·93	− 0·02	+ 0·3
7452	5·0	21·96	+ 0·08	+ 1·4
7500*	6·5	20·97	− 1·08	−20·1
7533	7·0	21·83	+ 0·21	− 1·5
7541	7·3	21·81	− 0·15	− 0·3
			21h	
7551	6·0	21·94	− 0·01	− 0·6
7553	7·7	21·85	− 0·03	+ 1·5
7562	6·5	20·85	+ 0·14	− 0·6
7582	7·1	21·97	− 0·01	+ 0·2
7586	7·0	21·85	− 0·15	− 2·2
7608	7·8	21·82	+ 0·05	+ 0·9
7614	6·5	21·78	− 0·05	+ 0·5
7619	6·0	21·91	− 0·09	+ 0·2
7625	8·0	21·81	− 0·21	+ 1·3
7638	6·0	21·69	+ 0·18	− 0·6
7651	7·0	21·68	+ 0·16	+ 0·8
7680	7·9	20·74	+ 0·02	− 1·3
7697*	6·5	21·66	+ 0·01	+ 0·1
7700	7·5	21·84	− 0·07	− 1·2
7721	7·7	21·86	+ 0·01	− 2·3
7770	8·0	20·72	− 0·11	+ 0·3
7783*	5·8	21·76	+ 0·43	− 7·0
7791	7·8	21·70	0·00	− 1·1
7814	7·8	21·82	− 0·26	+ 0·2
7824	8·0	21·65	− 0·16	+ 0·4
7825*	7·0	21·81	− 0·50	− 0·3
7830	7·9	21·77	+ 0·10	− 0·4
7842	8·1	21·87	− 0·01	+ 0·9
7843	6·5	20·94	− 0·09	− 1·7
7845*	7·8	21·90	+ 0·25	− 0·3
7873	7·8	21·96	− 0·06	− 0·3
7885	7·3	20·96	+ 0·12	− 0·3
			22h	
7913	6·5	20·91	+ 0·12	+ 1·0
7936	7·3	20·97	+ 0·25	+ 0·2
7937	6·5	21·96	+ 0·09	− 0·5
7965	7·5	20·92	0·00	− 1·1
7981*	6·0	21·98	+ 0·50	− 1·4
7984	7·0	21·96	− 0·05	+ 0·2
8017	4·7	20·75	− 0·06	+ 0·4
8023	8·0	20·70	+ 0·05	+ 1·2
8032	7·1	21·81	− 0·01	− 0·5
8041	7·3	21·72	+ 0·05	+ 0·8
8066	7·5	21·96	+ 0·23	− 0·7
8090*	6·5	21·73	+ 0·02	− 6·1
8091*	2·0	21·91	+ 0·32	− 0·1
8093	6·5	21·04	+ 0·21	+ 0·8
8108	6·0	21·95	− 0·11	+ 0·5
8120	8·3	21·90	+ 0·13	0·0
8154	7·5	21·81	+ 0·05	− 0·4
8165	7·6	21·98	+ 0·04	− 1·1
8168	7·5	21·74	− 0·02	+ 1·4
8180	7·5	21·78	+ 0·14	− 0·1
8191	8·0	21·88	+ 0·13	− 0·1
8204	7·3	21·91	− 0·06	+ 0·2
8209	8·0	21·67	+ 0·05	− 0·3
8212	8·3	21·98	+ 0·06	+ 0·8
			23h	
8233*	4·0	20·90	+ 0·03	− 0·2
8249*	4·0	21·69	+ 0·47	− 0·1
8351	7·0	21·93	+ 0·12	− 0·4
8366*	6·5	21·88	+ 0·05	− 0·1
8375	7·0	21·75	+ 0·07	+ 1·4
8393	6·9	21·70	+ 0·15	− 0·1
8408	7·0	20·74 20·78	+ 0·11	+ 0·4
8414	7·3	21·86	− 0·10	+ 0·9
8431	6·7	21·69	− 0·06	+ 0·7
8436	7·2	21·95	+ 0·12	− 1·3
8438*	6·2	21·76	+ 0·80	+ 1·1
8462	8·5	21·65	+ 0·07	− 0·3
8468	7·3	21·70	+ 0·01	+ 0·6
8479	7·0	21·75 21·79	− 0·01	+ 1·5
8498	8·6	21·02	+ 0·17	− 1·8
8516	7·6	21·95	+ 0·22	+ 1·3
8536	6·5	20·96	+ 0·29	− 1·4

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −48° TO −52°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
			0h	
		y	s	″
5*	6·0	22·99	+ 1·32	− 0·9
48	7·0	22·97	+ 0·12	+ 0·3
68	8·8	22·96	+ 0·11	− 0·7
75*	7·5	23·02	− 0·21	− 1·4
83	7·8	22·91	+ 0·11	0·0
97	7·0	22·98	+ 0·12	+ 1·8
102	8·1	22·94	+ 0·06	+ 0·9
110*	7·0	22·94 22·95	+ 1·31	− 3·6
114	7·9	22·99	+ 0·03	+ 0·4
131*	6·5	23·05	+ 0·38	− 0·2
144	5·8	22·98	+ 0·28	− 1·8
173	5·8	22·93	+ 0·17	− 1·9
179*	7·1	22·97	+ 0·97	− 3·1
185	8·2	22·94	− 0·03	+ 0·3
220	7·0	23·03	+ 0·07	+ 0·9
223	7·6	22·97	+ 0·11	+ 0·2
228	7·5	22·95	+ 0·06	+ 1·0
235*	6·0	22·98	+ 0·54	+ 2·2
262	5·5	22·89	+ 0·10	+ 1·3
304	8·0	22·92	+ 0·12	+ 0·5
318	8·0	22·93	+ 0·04	+ 0·9
323*	8·4	22·92	− 0·29	− 2·9
			1h	
391	8·5	22·83	+ 0·12	− 0·5
394	7·6	22·99	+ 0·04	+ 0·9
411	8·0	22·95	+ 0·02	− 0·4
434	6·5	22·79	+ 0·10	+ 1·2
436	6·4	23·01	− 0·05	+ 0·9
470	7·5	22·94	− 0·03	+ 0·4
484*	4·0	22·97	+ 0·25	+ 2·6
485	7·4	22·98	− 0·20	− 1·0
490	8·3	22·76	+ 0·29	− 0·5
508	8·3	22·96	+ 0·10	0·0
516	7·0	22·79	− 0·09	+ 0·9
535	7·1	23·00 23·02	+ 0·08	+ 0·4
542	7·1	22·92	+ 0·05	+ 0·2
557	8·4	23·03	+ 0·20	+ 0·7
564	6·0	23·91	+ 0·09	+ 0·2
587*	6·0	22·95	+ 0·49	+ 1·1
596	8·0	22·90	+ 0·07	0·0
622	6·5	22·94	+ 0·08	+ 0·5
			2h	
673	8·0	22·99	+ 0·14	+ 1·6
701*	6·5	22·90	+ 5·08	+ 15·6
756	7·3	22·77	+ 0·08	− 1·1
762	8·3	20·64	− 0·09	+ 0·1
768	7·6	22·93	− 0·02	+ 1·7
774	6·0	22·70	0·00	+ 3·0
795*	4·0	22·72	+ 0·12	− 0·2
829	9·0	22·70	− 0·13	+ 1·1
835	6·5	22·72	+ 0·05	− 0·7
864	8·0	22·70	− 0·04	+ 0·1
884*	5·5	22·78	+ 0·79	+ 6·0
886	7·5	22·96	− 0·03	+ 0·1
935	8·9	22·87	− 0·15	+ 1·8
939	7·0	22·77	+ 0·11	− 1·3
952	6·5	22·99	− 0·08	+ 0·7
960	8·5	22·82	+ 0·07	+ 0·4
1007	7·5	21·68	− 0·13	+ 1·1
1010	7·5	22·90	+ 0·18	+ 2·5
1038	7·8	23·01	+ 0·19	− 0·1
1040	6·5	23·19	+ 0·10	− 0·1
1056	8·0	22·87	+ 0·06	+ 0·7
1068	7·5	22·79	0·00	+ 1·6
1079	6·5	23·42	+ 0·11	+ 0·8
1082	8·3	23·29	+ 0·12	+ 1·3
1086	8·3	23·38	− 0·08	− 0·3
1092	8·2	23·21	− 0·19	+ 2·3
1100	6·5	23·18	+ 0·09	− 1·1
1122	6·5	23·30	− 0·08	+ 1·5
1167*	6·0	23·57	+ 0·13	+ 3·3
1180	8·0	23·19	+ 0·20	+ 0·7
1191	8·0	23·15	+ 0·10	+ 0·6
1219	6·8	23·09	− 0·03	+ 2·4
1223	8·0	22·69	− 0·02	+ 0·8
1228*	7·0	22·95	+ 0·36	+ 11·3
1238	6 8	22·38	+ 0·05	− 1·2
1255	8·0	22·42	+ 0·05	+ 0·9
1308	7·5	20·00	− 0·18	− 2·2
1322	7·0	22·91	+ 0·23	+ 1·1
1332	7·0	22·92	− 0·06	+ 1·0
1345	8·0	22·90	+ 0·03	+ 0·3
			4h	
1348	7·0	23·28	− 0·03	+ 0·2
1350	7·8	23·35	+ 0·01	+ 1·2
1365*	7·9	22·42	+ 0·22	+ 2·5
1368	7·0	23·00	+ 0·21	+ 1·0
1414	7·5	23·86	− 0·01	+ 1·4
1433	8·8	20·07	− 0·20	+ 0·8
1449	7·2	20·06	− 0·16	+ 0·6
1450	7·5	23·28	− 0·05	+ 1·0
1476*	7·8	23·85	− 0·22	− 2·5
1561	7·0	22·69	+ 0·17	+ 1·0
1568	7·5	22·85	− 0·09	− 0·9
1574	5·5	21·80	− 0·13	+ 1·0
1583*	7·5	22·37	− 0·02	+ 6·3
1594*	7·6	23·00	− 1·03	− 7·5
1608	7·3	23·15	− 0·05	+ 1·3
1632	6·8	23·00	+ 0·03	− 0·6
1654	8·5	22·99	− 0·02	+ 0·1
1667	7·3	22·99	+ 0·02	+ 0·9
			5h	
1693	6·0	23·29	+ 0·06	+ 0·6
1701*	5·5	22·98 22·97	+ 0·13	+ 1·1
1726	7·6	22·08	+ 0·06	+ 0·1
1746	7·8	22·06	− 0·10	+ 0·4
1749	7·4	23·00	+ 0·13	+ 2·2
1769*	7·9	20·00	− 0·26	− 0·8
1774	8·0	20·03	− 0·14	+ 0·5
1798	8·3	19·98	− 0·16	+ 2·0
1804	7·2	22·98	+ 0·04	+ 1·1
1813	7·7	23·00	− 0·07	− 0·3
1815	7·5	22·10	+ 0·06	+ 1·7
1873	7·2	23·01	+ 0·08	− 1·8
1879	7·6	22·99	− 0·03	0·0
1906	7·0	22·95	− 0·02	+ 1·7
1923	7·0	23·01	+ 0·02	+ 1·3
1939	8·1	20·02	− 0·14	+ 1·2
1975	7·3	22·97	− 0·07	+ 0·8
2004	6·5	22·98	+ 0·02	+ 1·6
2006	7·9	23·04	+ 0·20	+ 0·8
2027	7·5	23·04	+ 0·09	+ 1·9
			6h	
2059	7·9	23·03	+ 0·14	0·0
2062*	7·0	22·94	− 0·33	− 0·5
2070	8·0	22·90	− 0·07	+ 2·3
2095	7·7	22·94	− 0·09	+ 1·9
2103	7·9	22·94	− 0·06	+ 0·7
2117	7·3	21·97	− 0·03	− 0·3
2139	8·1	23·02	+ 0·06	+ 0·7
2142	8·5	22·97	+ 0·15	+ 0·8
2147	7·0	22·93	− 0·02	+ 0·9
2167	7·0	22·98	+ 0·13	+ 1·1
2183	8·0	22·90	0·00	+ 1·5
2190	6·0	22·98	− 0·03	+ 0·8
2226*	6·0	23·00	+ 0·28	+ 3·4
2239	7·2	23·00	+ 0·15	− 2·0
2240	7·9	23·01	+ 0·11	+ 1·6
2258*	7·4	22·99	+ 0·08	+ 4·5
2269	7·1	22·93	− 0·10	+ 0·8
2325	6·0	22·94	+ 0·04	− 1·6
2326	7·0	22·97	− 0·11	+ 1·1
2348*	3·0	22·95	+ 0·21	− 0·7
2356	7·5	22·97	+ 0·23	+ 0·1
2357	7·8	21·98	− 0·09	+ 0·5
2375*	7·3	23·02	− 0·03	+ 6·0
2385	5·5	23·03	+ 0·08	+ 1·5
2387	8·0	22·97	+ 0·09	+ 0·5
2388	8·4	23·06	+ 0·02	+ 1·9
2397	7·8	22·96	− 0·09	+ 1·2
2412	7·3	23·01	− 0·01	+ 0·4
2417	7·1	22·78	+ 0·08	+ 1·1
			7h	
2429	7·0	22·96	+ 0·10	+ 1·0
2441	7·0	23·01	+ 0·12	+ 2·0
2456	8·3	23·06	+ 0·04	+ 1·4
2458	6·5	22·98	+ 0·07	+ 2·8
2479*	5·5	22·99	+ 0·03	+ 5·6
2498	8·0	23·00	+ 0·07	+ 0·6
2506	7·0	22·98	+ 0·03	+ 1·3
2508	5·0	22·96	+ 0·17	+ 1·2
2516	7·5	22·93	+ 0·04	+ 1·0
2530*	7·8	22·96	+ 0·08	− 2·9
2535*	7·0	22·92 22·90	− 0·14	+ 3·6
2543	6·0	22·98	+ 0·07	+ 0·6
2544	7·0	22·98	− 0·09	+ 2·4
2546	7·4	22·95	+ 0·07	− 0·1
2577	5·5	23·00	+ 0·02	+ 0·4
2605	7·1	24·25	+ 0·08	+ 0·8
2608	7·6	20·01	− 0·13	− 0·2
2624	7·0	22·97	− 0·10	+ 0·6
2632	6·5	22·98	+ 0·04	+ 1·2
2643	6·0	22·99	+ 0·08	+ 0·7
2651	6·0	22·47	+ 0·02	+ 0·7
2657	7·8	22·92	− 0·11	+ 1·9
2662	7·2	23·01	+ 0·14	+ 1·3
2685	7·5	22·99	+ 0·07	+ 0·8
2690*	6·9	23·01	− 0·12	+ 4·4
2695*	7·0	22·96	− 0·18	+ 3·5
2708	7·0	22·88	− 0·08	0·0

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ −48° TO −52°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
2713	7·5	22·91	− 0·16	+ 1·5
2714	7·5	22·89	+ 0·03	+ 0·6
		22·88		
2734	7·0	23·00	− 0·02	− 1·1
2754	7·5	22·96	+ 0·03	+ 0·8
2755	5·0	24·43	− 0·04	+ 1·7
2765	7·6	22·97	− 0·04	+ 0·6
2776	7·0	22·94	+ 0·13	+ 0·9
2792	7·3	22·87	− 0·04	+ 0·7
2793	7·4	22·90	− 0·14	+ 0·3
2802	6·6	22·86	− 0·11	+ 0·5
2807	7·8	21·56	− 0·05	− 0·4
2810	7·6	22·90	+ 0·03	+ 0·6
2815	7·6	22·95	+ 0·07	+ 1·1
			8h	
2823	7·3	22·88	− 0·17	+ 0·5
2828	7·0	22·89	− 0·09	+ 0·9
2846	7·0	22·85	+ 0·14	+ 0·2
2861	7·0	22·88	− 0·06	+ 2·2
2891	8·3	21·89	− 0·11	− 0·1
2896	7·0	22·92	+ 0·03	− 0·1
2897	7·2	22·95	+ 0·13	− 1·2
2931	7·0	22·96	− 0·10	+ 1·1
2935	7·3	22·92	− 0·05	+ 1·8
2947	5·7	22·99	+ 0·08	+ 0·3
2949	7·9	21·59	− 0·09	+ 0·2
2974	7·3	22·93	+ 0·09	0·0
2979	7·7	22·89	− 0·01	+ 1·1
3003	7·5	22 92	+ 0·13	+ 1·0
3014	7·3	22·87	0·00	+ 0·2
3033	7·7	20·89	− 0·12	+ 0·9
3036	6·5	23·00	+ 0·09	+ 0·6
3050*	7·9	21·54	− 0·31	+ 2·2
3062	8·0	21·58	− 0·12	+ 0·4
3069	6·5	22·85	− 0·15	+ 0·1
3089	6·0	22·98	+ 0·18	+ 0·2
3090*	7·2	22·92	+ 0·14	− 2·1
3134	8·0	21·59	+ 0·01	− 0·1
3162	8·0	22·03	− 0·07	− 0 1
3170	7·3	21·94	0·00	+ 0·3
3174	8·0	22·93	0·00	+ 0·5
3181	6·5	22·91	+ 0·09	− 0·2
3187	8·1	22·88	− 0·06	+ 1·1
3196	7·5	22·92	+ 0·11	+ 0·1
3200	7·7	22·99	− 0·02	+ 0·7
3203	6·0	22·94	− 0·11	− 0·1
			9h	
3217	8·7	22·89	− 0·02	+ 0·2
3231	7·9	22·89	+ 0·01	− 0·2
3243	7·3	22·95	+ 0·11	+ 0·8
3254	8·7	22·89	+ 0·16	+ 1·4
3284	7·3	22·94	+ 0·08	− 0·7
3304	7·3	22·92	+ 0·07	+ 0·2
3316	6·0	22·98	+ 0·09	+ 1·2
3320	6·5	22·93	+ 0·01	+ 0·8
3369	8·4	22·88	+ 0·03	+ 1·8
3371	7·3	22·95	− 0·06	+ 0·6
3380	7·9	22·99	− 0·06	− 0·6
3392	6·0	22·95	0·00	+ 1·1
3401	8·2	22·93	− 0·15	+ 0·2
3414	8·0	22·92	+ 0·03	− 0·8
3419	5·5	22·98	+ 0·01	− 0·4
3432	7·0	22·99	− 0·05	0·0

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
3434	8·1	21·90	− 0·08	+ 0·2
3437*	5·0	23·00	− 0·16	+ 0·5
3443*	7·7	22·93	− 0·05	+ 4·9
3451	8·2	23·00	− 0·02	+ 0·3
3458	7·9	22·93	− 0·05	− 0·7
3463	8·0	21·89	− 0·07	+ 1·0
3479	7·1	22·96	0·00	+ 0·7
3487	7·0	22·93	− 0·07	+ 0·8
3506	7·0	22·98	+ 0·01	+ 0·1
3540	8·3	22·97	− 0·02	+ 0·3
3549	6·5	22·99	+ 0·03	+ 1·0
3558	6·0	22·93	+ 0·04	+ 0·5
3572	7·7	22·97	− 0·10	− 0·4
3606	7·9	22·99	+ 0·03	− 0·1
3611	7·8	23·01	− 0·03	+ 0·6
			10h	
3623	7·8	22·95	− 0·23	− 0·1
3626	6·5	22·97	− 0·03	+ 0·1
3647	7·9	22·95	− 0·23	+ 0·4
3649	5·2	23·00	+ 0·06	+ 0·4
3675	6·0	23·01	− 0·04	− 0·6
3677	6·0	22·97	− 0·13	+ 0·7
3691	8·0	22·42	− 0·14	− 0·3
3692	7·5	20·02	+ 0·10	− 0·4
3697	8·1	22·96	− 0·08	0·0
3726	8·3	22·91	− 0·04	+ 0·2
3731	8·0	22·98	0·00	+ 0·5
3769	8·2	21·47	− 0·13	0·0
3776	8·8	23·01	− 0·08	− 0·4
3818	7·7	22·95	− 0·07	+ 0·9
3819	8·0	21·60	+ 0·02	+ 0·2
3840	8·1	23·02	+ 0·08	+ 1·1
3843	7·3	23·00	− 0·05	+ 0·6
3879*	3·0	22·97	+ 0·27	− 1·4
3903	8·5	23·00	+ 0·09	+ 1·7
3907	7·0	22·95	+ 0·03	− 1·0
3920	7·9	22·99	− 0·12	+ 0·9
3943	7·0	22·94	− 0·04	+ 0·3
3971	7·9	22·93	− 0·06	0·0
3985	7·3	21·56	− 0·18	+ 0·1
			11h	
3994	6·5	22·92	+ 0·09	− 0·4
4003	7·0	22·93	+ 0·06	− 1·6
4006	7·0	22·96	+ 0·04	+ 0·6
4011	7·2	22·94	+ 0·04	+ 0·9
4014	7·2	22·99	− 0·01	+ 2·9
4030	7·8	22·99	+ 0·12	− 0·5
4042	6·0	23·00	− 0·10	+ 1·0
4048	7·3	22·90	+ 0·07	+ 0·8
4079	7·8	22·88	− 0·04	+ 0·1
4098	8·0	23·07	+ 0·03	− 0·4
4106	8·0	22·98	− 0·10	+ 0·2
4142	8·0	21·58	− 0·16	− 0·3
4214	7·2	22·95	− 0·01	− 0·6
4244	8·0	23·03	+ 0·03	− 0·3
4254	8·3	21·90	− 0·02	+ 0·3
4268	8·3	22·98	− 0·07	− 0·2
		22·97		
4271	7·6	23·03	− 0·20	+ 0·6
4275	7·9	22·98	− 0·02	− 0·1
4288	8·1	22·95	+ 0·09	− 0·2
4290	7·7	23·00	+ 0·04	0·0
4318	7·0	22·94	+ 0·23	+ 0·2

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
4320*	7·3	23·03	− 0·37	0·0
4331	6·7	22·90	− 0·07	+ 0·1
4334	8·0	23·01	+ 0·02	− 0·2
			12h	
4385	6·0	22·98	+ 0·07	+ 0·1
4403*	7·0	22·96	− 0·40	− 0·2
4441*	7·8	23·03	− 0·63	− 1·0
4444	7·0	22·94	+ 0·08	0·0
4445	8·4	23·03	− 0·02	+ 0·9
4490	7·2	22·97	− 0·14	+ 0·4
4492	5·5	22·88	− 0·07	− 0·2
4496*	6·5	22·93	− 1·42	− 1·7
4502*	4·5	22·92	− 0·07	0·0
4527	7·3	22·94	+ 0·04	+ 0·7
4528*	7·0	22·97	+ 0·21	+ 1·4
4535	7·3	22·88	− 0·04	+ 0·9
4548	7·0	23·03	+ 0·06	+ 0·6
4554	7·0	23·02	− 0·02	+ 0·1
4586	6·0	22·95	− 0·09	− 1·0
4654	8·0	21·90	− 0·16	+ 0·2
4676	5·8	22·93	− 0·03	+ 0·1
4681	7·8	22·98	− 0·07	+ 0·1
4725	7·1	22·93	− 0·13	+ 0·5
			13h	
4778	6·8	23·00	+ 0·04	− 0·6
4786	8·0	22·96	− 0·17	− 0·5
4812	6·5	22·99	+ 0·02	− 0·2
4823	7·8	22·94	+ 0·03	+ 0·6
4825	7·0	22·97	− 0·07	− 0·1
4827	7·9	22·97	− 0·14	+ 0·3
4828	6·5	22·93	− 0·04	+ 0·7
4840	7·5	23·00	− 0·02	− 0·2
4845	7·6	22·95	− 0·01	+ 1·1
4854	7·4	22·88	− 0·01	+ 0·3
4859	6·7	22·88	− 0·02	+ 0·8
4868	5·8	22·94	− 0·02	+ 1·0
4921	7·0	22·95	+ 0·04	− 0·2
4934	6·8	22·98	− 0·11	+ 0·3
4958	8·0	21·17	− 0·19	0·0
4960	7·0	21·98	− 0·12	− 1·0
4972*	5·2	23·01	+ 0·04	0·0
4976	7·4	22·97	− 0·10	+ 1·0
4978*	6·5	22·94	+ 0·25	+ 0·9
5010*	7·8	21·93	− 1·45	− 0·9
5020	8·2	22·91	− 0·03	+ 0·4
5022	7·4	22·93	− 0·03	0·0
5031	7·0	21·96	− 0·09	0·0
5035	7·0	22·87	− 0·01	+ 0·8
5049	6·3	23·07	+ 0·14	− 1·6
5070	7·6	22·98	+ 0·04	+ 0·3
			14h	
5092*	7·0	22·92	− 0·06	+ 3·0
5094	7·0	22·97	− 0·02	− 0·5
5115	7·3	23·00	− 0·14	− 1·7
5131	7·8	22·98	+ 0·04	+ 0·7
5132	7·8	23·01	− 0·07	+ 0·9
5171	7·8	22·97	− 0·07	− 0·4
5186	7·0	22·93	− 0·02	0·0
5227	7·8	21·92	+ 0·01	+ 0·6
5248	7·3	22·99	+ 0·02	+ 0·5

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ 48—° TO −52°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		y	s	″
5249	5·0	23·02	0·00	+ 0·4
5278	4·5	22·93	+ 0·03	− 0·6
5281	7·3	22·87	0·00	− 0·2
5320	7·0	22·99	+ 0·02	− 0·3
5334	6·5	23·00	+ 0·08	− 0·3
5407	7·5	22·99	+ 0·13	− 0·5
5419	8·0	22·95	− 0·08	− 0·2
5450	6·8	23·01	+ 0·10	+ 0·3
5477	8·0	22·95	+ 0·02	0·0
5551	7·0	22·92	− 0·03	− 0·3
5561	7·6	22·94	+ 0·19	+ 0·3
5608	7·8	21·91	− 0·03	+ 0·2
5625	7·5	22·99	− 0·02	0·0
5671	7·0	22·91	− 0·02	+ 0·3
5678	7·4	22·95	0·00	+ 1·2
5693	7·5	22·96	+ 0·08	+ 0·3
5697	7·2	22·94	0·00	+ 0·2
5707	7·1	22·94	− 0·04	+ 0·4
5732	8·0	22·98	− 0·04	+ 1·2
5735	7·3	22·96	− 0·01	+ 0·5
5799	8·0	22·97	+ 0·10	+ 0·7
5804	7·3	23·00	+ 0·07	+ 0·7
		16h		
5822	7·0	22·98	+ 0·09	− 0·7
5843	7·0	22·91	+ 0·03	− 0·1
5853	7·4	23·00	+ 0·01	− 0·1
5905	6·0	22·92	+ 0·10	− 0·4
5918	7·7	22·98	+ 0·10	− 0·4
5954	7·5	22·92	− 0·03	− 0·2
5981	7·3	21·88	0·00	+ 0·4
5988	7·8	22·95	+ 0·08	+ 0·4
6009	7·8	22·95	+ 0·18	− 0·2
6014	7·5	22·94	+ 0·02	− 0·3
6017	8·0	22·91	− 0·06	+ 0·6
6022	6·0	22·86	+ 0·08	− 0·1
6073	8·0	22·88	+ 0·01	+ 0·4
6083	7·5	22·93	+ 0·07	− 1·5
6097	7·0	22·96	+ 0·09	− 0·5
6108	6·8	22·91	− 0·01	− 0·1
6137	6·5	22·93	+ 0·01	− 1·7
6149	7·8	22·82	− 0·14	+ 1·0
6151	7·4	22·87	+ 0·11	+ 2·8
		17h		
6181	7.5	22·90		
		22·89	+ 0·10	− 0·7
6195	7·5	22·91	+ 0·04	+ 0·6
6199	6·8	22·99	+ 0·05	− 0·9
6218	7·8	22·94	+ 0·02	+ 0·4
6233	7·8	21·91	+ 0·09	− 0·1
6236	7·5	22·87	− 0·01	− 0·4
6244*	7·5	22·78	+ 0·01	− 5·2
6273	7·8	22·79	+ 0·01	− 1·0
6282	7·7	22·88	+ 0·06	+ 0·6
6287	7·0	22·59	+ 0·06	+ 0·1
6290	6·8	22·95	+ 0·02	+ 0·5
6312	8·5	22·94	+ 0·16	+ 0·9
6315	7·6	22·94	+ 0·01	+ 2·0
6328	7·0	22·84	− 0·06	+ 2·0
6348	7·6	22·94	+ 0·04	+ 0·2
6349	6·3	22·89	+ 0·04	− 1·2
6365*	5·5	22·88	+ 0·30	− 3·6
6397	7·7	22·65	+ 0·01	− 1·5
6400	7·8	22·73	− 0·10	+ 0·6
6424	7·4	22·68	+ 0·02	+ 1·1
6425	7·4	22·56	+ 0·03	+ 0·1
6427	8·3	22·25	− 0·11	+ 1·1
6432	8·0	22·17	+ 0·09	+ 1·5
6452	7·6	22·76	+ 0·13	+ 0·1
6477	8·1	22·77	− 0·08	+ 1·5
6489	7·5	22·73	+ 0·01	− 0·5
6510*	4·0	22·92	+ 0·04	+ 0·1
6512	7·6	22·68	+ 0·04	+ 1·7
		18h		
6546	7·4	22·78	− 0·13	− 0·5
6559	7·6	22·66	− 0·17	+ 0·4
6564	7·5	22·88	+ 0·06	+ 1·5
6572	6·5	22·79	− 0·05	− 0·7
6589	7·5	22·73	− 0·03	− 0·3
6611	7·6	22·71	+ 0·09	− 0·4
6617	7·0	22·72	+ 0·15	− 2·4
6633	4·0	22·67	+ 0·15	+ 0·2
6646*	4·5	22·70	+ 0·52	− 5·2
6656	7·8	22·65	− 0·05	− 0·8
6660	8·4	22·89	+ 0·07	− 0·8
6700	7·2	22·70	+ 0·13	+ 0·3
6703	6·5	22·88	+ 0·12	+ 1·7
6713	7·3	22·79	− 0·05	− 0·2
6715	7·8	22·93	− 0·07	− 2·7
6737	7·7	22·80	+ 0·02	+ 0·5
6738	6·5	22·83	+ 0·02	− 0·7
6745	7·3	22·66	+ 0·13	+ 0·1
6748	7·8	21·89	− 0·11	+ 0·3
6783	7·7	22·81	0·00	+ 0·6
6794	7·2	22·79	− 0·04	− 0·6
6815	8·5	21·57	− 0·14	− 0·4
6821	7·8	22·92	+ 0·11	− 0·0
6837	7·8	22·78	+ 0·12	+ 0·7
6841*	6·0	22·65	+ 0·12	− 3·3
6845	7·2	22·65	+ 0·17	− 0·2
6853	7·5	22·70	+ 0·07	+ 0·4
6856	6·5	22·73	− 0·04	+ 0·4
		19h		
6902	7·1	22·81	− 0·01	+ 0·8
6910	8·3	22·73	+ 0·08	− 0·2
6916	8·1	21·79	− 0·07	+ 0·1
6927	6·5	22·79	+ 0·08	− 0·6
6943	6·5	22·63	+ 0·23	+ 1·0
6979	8·2	21·81	+ 0·02	− 0·8
7015	5·5	22·63	− 0·01	− 0·3
7043	7·5	22·81	− 0·14	+ 0·3
7097	7·8	22·93	+ 0·13	+ 0·9
7104	7·0	22·64	0·00	− 1·5
7156	7·0	22·96	+ 0·19	+ 1·2
7159	7·1	22·89	− 0·02	+ 0·9
		20h		
7262	7·5	22·86	+ 0·07	− 0·6
7282*	6·2	22·81	+ 0·19	− 4·5
7289	8·0	21·41	− 0·02	+ 1·1
7325	8·0	21·82	0·00	+ 0·5
7385*	7·5	22·93	− 0·39	+ 0·9
7431	8·0	21·79	+ 0·01	− 0·7
7450	7·3	22·90	+ 0·10	+ 0·6
7461	5·6	22·89	+ 0·05	+ 0·1
7480	7·0	22·80	− 0·10	+ 0·6
7508*	6·0	23·05	− 0·20	+ 3·6
7517	8·1	22·81	+ 0·20	+ 0·7
7524	8·3	22·82	+ 0·03	+ 1·5
7529	7·0	22·78	+ 0·08	+ 0·4
7531	7·5	22·96	− 0·12	+ 1·4
7542	7·5	22·85	− 0·02	− 0·1
		21h		
7550	6·5	22·98	+ 0·16	+ 0·2
7577	7·8	22·91	+ 0·13	+ 0·3
7591	7·0	22·80	+ 0·02	+ 0·8
7602	7·0	22·87	− 0·09	− 1·4
7613	7·5	22·96	+ 0·12	+ 0·5
7627	6·2	22·84	− 0·07	− 2·5
7630	7·5	22·81	+ 0·26	0·0
7635	7·3	22·86	+ 0·04	− 2·4
7708*	7·4	22·89	+ 0·94	− 4·0
7730	8·2	21·85	− 0·10	− 1·2
7735	8·0	22·98	+ 0·18	0·0
7746	7·5	22·91	+ 0·32	+ 1·1
7761	7·0	22·99	+ 0·24	+ 1·8
7785	7·0	22·95	− 0·18	+ 0·2
7786	7·7	23·00	+ 0·16	− 1·5
7803	8·0	21·86	0·00	− 0·4
7826	7·7	22·98	+ 0·19	− 0·9
7832*	8·3	22·99	+ 0·03	− 5·0
7865	7·8	22·88	+ 0·10	+ 0·3
7868	8·5	22·96	− 0·06	+ 1·6
7882	8·3	22·95	+ 0·18	+ 0·6
		22h		
7897	8·0	22·89	− 0·06	+ 0·9
7903	7·0	22·88	+ 0·25	− 1·1
7920	8·0	22·85	+ 0·09	+ 1·8
7949	8·0	22·91	− 0·12	+ 0·7
7953*	8·8	22·83	+ 0·40	− 3·1
7970	8·2	22·98	− 0·12	+ 1·2
7985	8·0	22·87	− 0·01	− 0·4
7989	7·5	22·99	− 0·13	− 1·2
8006*	7·5	22·84	+ 0·87	− 6·9
8015	8·1	22·87	+ 0·14	+ 0·4
8024	7·5	23·01	+ 0·01	+ 0·2
8025*	7·2	22·86	− 0·17	− 4·1
8026	8·2	22·94	+ 0·13	+ 0·3
8028	7·0	22·95	+ 0·02	+ 1·1
8057	7·0	22·88	+ 0·13	+ 0·7
8070	7·9	22·89	+ 0·06	+ 0·9
8075	7·5	22·86	+ 0·24	− 0·8
8112*	6·5	22·96	+ 0·55	− 0·8
8117*	7·0	22·99	+ 0·28	− 5·2
8126	4·0	22·98	+ 0·32	− 0·8
8149	7·6	22·95	+ 0·11	0·0
8150	7·5	22·95	+ 0·13	− 0·7
8157*	6·0	23·00	+ 0·62	− 2·0
8166*	6·5	22·96	− 0·63	+ 2·4
8176	6·0	22·92	− 0·07	+ 0·4
8184	7·9	22·97	− 0·11	+ 0·9
8196	7·2	22·95	+ 0·24	− 0·1
8203*	7·5	22·94	+ 0·36	− 4·9
8208	7·0	22·91	+ 0·17	− 0·1

* An asterisk attached to the No. indicates that the result has not been used in forming the mean of group.

CAPE 1900—CAPE 1880, δ − 48° TO − 52°.

No. 1900.	Mag.	1900—1880. ΔEp.	Δα	Δδ
		23h		
		y	s	″
8234	6·5	22·94	+ 0·09	+ 0·9
8265	6·5	22·94	+ 0·12	− 0·4
8271	8·5	22·92	− 0·13	− 0·3
8293	7·0	22·94	− 0·09	− 0·1
8302	7·0	22·98	+ 0·10	+ 0·4
8306*	6·2	22·95	+ 0·19	− 1·5
8345	6·0	22·98	+ 0·13	+ 1·1
8346	7·2	22·96	+ 0·01	+ 0·9
8374	7·9	22·96	+ 0·05	+ 0·1
8434	8·2	22·93	− 0·07	+ 1·7
8454	8·9	22·99	− 0·11	+ 1·7
8458*	5·0	22·94	0·00	+ 0·5
8461*	6·9	22·95	− 0·85	− 4·3
8464	6·5	22·92	− 0·18	+ 0·2
8467	7·0	22·94	+ 0·13	+ 0·4
8481	7·0	22·99	− 0·08	− 0·2
8495	7·9	22·93	+ 0·22	+ 0·9
8521	8·4	23·01	− 0·11	+ 0·6
8523*	8·0	23·04	+ 0·35	− 0·2
8532	7·8	23·00	− 0·10	+ 0·1
8542*	6·0	22·91	+ 0·22	+ 0·7
8544	5·8	22·71	+ 0·06	+ 0·6

CAPE 1900—MELBOURNE 1880.

No. 1900.	Mag.	Cape—Melb. ΔEp.	Δα	Δδ
		0h		
		y	s	″
38	6·5	16·34	− 0·21	+ 0·1
110*	7·0	22·92	+ 1·40	− 5·6
138	7·0	16·91	+ 0·11	− 1·8
144*	5·8	22·97	+ 0·38	− 3·4
165	7·0	16·14 16·23	+ 0·13	− 0·6
197	6·5	17·79	+ 0·08	− 1·2
201	8·3	21·63	+ 0·02	− 0·8
225	6·5	21·82	− 0·10	− 3·2
228	7·5	18·94	+ 0·15	− 0·7
235†	6·0	23·03	+ 0 52	+ 1·1
253	7·0	16·03	+ 0·04	− 1·8
262	5·5	22·88 21·47	+ 0·23	+ 0·9
330	5·5	22·02	+ 0·14	− 0·8
		1h		
418	7·0	21·95	+ 0·11	− 0·7
435	7·3	17·91	+ 0·33	− 0·1
446	7·0	20·42	+ 0·12	− 2·4
487	6·0	23·95	+ 0·13	− 0·2
504	7·8	23·91	+ 0·26	+ 1·7
526	7·0	22·16	− 0·01	− 1·5
564	6·0	23·79	+ 0·40	− 0·9
607	4·5	17·85	− 0·06	− 2·4
632	7·0	16·00	+ 0·09	− 2·1
		2h		
685	6·5	20·02	− 0·03	− 0·9
695	6·5	20·57	+ 0·12	− 1·2
698	6·5	23·06	+ 0·09	− 1·3
766	6·8	16·56	+ 0·16	0·0
902	7·0	22·89	− 0·07	− 2·2
922	7·9	23·58	+ 0·12	− 0·8
1000	7·0	21·67	+ 0·16	− 0·6
		3h		
1040	6·5	19·87	+ 0·18	− 0·4
1122	6·5	22·66	+ 0·03	+ 1·1
1153	6·0	18·87	+ 0·21	− 0·9
		4h		
1368	7·0	18·99	+ 0·09	− 0·9
1578	7·0	17·19	− 0·02	− 1·0
		5h		
1721‡	7·3	19·71 19·70	− 0·13	+ 4·5
1801	8·3	18·03	+ 0·05	− 1·2
1887	7·0	20·95	− 0·03	− 1·6
		6h		
2190	6·0	18·97	+ 0·06	− 1·4
2229	7·6	17·94	+ 0·06	− 2·3
2323	7·5	20·93	+ 0·09	− 1·4
2371	6·5	19·02	+ 0·02	− 0·9
		7h		
2710	7·7	20·90	0·00	+ 0·2
2755	5·0	21·96	+ 0·04	+ 0·1
		8h		
2823	7·3	23·83	− 0·17	+ 0·6
2861	7·0	23·96	− 0·15	+ 1·2
3064	6·5	20·88	+ 0·10	− 0·3
3107	7·3	20·90	− 0·02	− 0·9
3140	7·0	15·98	+ 0·15	+ 0·3
3156	6·0	20·89	+ 0·04	− 1·7
3402	6·0	16·46	+ 0·10	− 0·2
		9h		
3479	7·1	26·75	− 0·03	− 0·4
3501	6·5	20·87	+ 0·02	− 0·5
3521	5·8	17·88	+ 0·01	− 1·2
		10h		
3958	5·0	16·34	+ 0·13	− 0·4
4002	7·6	20·92 20·91	+ 0·01	0·0
4038	7·0	17·85	− 0·03	+ 0·4
4214	7·2	18·91 18·92	+ 0·03	+ 0·2
4335	7·5	17·89	+ 0·13	− 0·3
		12h		
4388	6·0	16·89 16·90	− 0·04	− 0·6
4586	6·0	18·89	− 0·06	− 0·2
4734	6·3	18·99	+ 0·11	− 0·9
		13h		
4854	7·4	21·91	− 0·05	− 1·1
4913	6·5	19·62	− 0·06	− 1·6
4934	6·8	18·93	− 0·11	+ 0·1
4959	6·5	19·36	0·00	− 0·2
5085	5·0	11·97	+ 0·05	− 0·8
		14h		
5170	6·0	20·84	+ 0·05	− 2·4
5268	6·5	16·51	0·00	0·0
		15h		
5470	5·0	13·95 13·96	+ 0·11	− 0·2
5490	5·2	17·85	+ 0·01	− 0·4
5631	5·0	17·89	− 0·09	− 0·6
		16h		
5905	6·0	18·91	+ 0·04	− 0·9
6116	7·0	16·93	+ 0·03	− 0·8
		17h		
6193	5·8	17·66 17·65	− 0·01	− 0·8
6365	5·5	18·90	+ 0·26	− 3·2
6469	5·3	16·24	− 0·27	+ 0·6

* An asterisk attached to the No. signifies that Δα and Δδ, † that Δα, and ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—MELBOURNE 1880.

No. 1900.	Mag.	Cape—Melb. ΔEp.	Δα	Δδ
		18h		
		y	s	″
6535	6·5	17·81	+ 0·10	− 1·4
6646	4·5	18·71	+ 0·17	− 4·6
6703	6·5	18·83	+ 0·09	+ 0·5
6794	7·2	18·71	+ 0·03	− 1·1
		19h		
7015	5·5	18·59	+ 0·11	+ 0·2
7115	6·0	16·74 16·73	+ 0·19	0·0
		20h		
7237	6·3	16·65 16·64	+ 0·02	− 2·0
7300	8·3	16·77	+ 0·09	− 0·3
7357	5·8	17·88	+ 0·03	− 1·2
7404	6·9	17·73	+ 0·06	− 0·6
7544	6·0	16·01	+ 0·02	− 0·8
		21h		
7602	7·0	18·88	− 0·06	− 1·2
7638	6·0	21·62	+ 0·17	− 1·9
7645	6·0	16·54	+ 0·15	− 0·4
7752	7·0	20·20 20·33	+ 0·44	− 2·5
		22h		
7981	6·0	17·95	+ 0·41	− 2·3
8023	8·0	21·70	+ 0·05	− 0·1
8037	7·5	16·92	+ 0·10	− 1·4
8093	6·5	17·93	+ 0·12	+ 0·1
8214	6·0	16·59	+ 0·06	0·0
		23h		
8247	7·0	16·31	+ 0·13	− 2·0
8321	7·1	16·35	+ 0·07	− 0·9
8351	7·0	21·88	+ 0·11	− 1·7
8363	6·8	16·21	− 0·07	− 3·0
8427	7·2	16·41	+ 0·06	− 2·0
8458	5·0	22·90	+ 0·13	− 1·0
8479	7·0	23·32 23·36	+ 0·01	− 0·2
8485	7·0	16·20	+ 0·12	− 3·5

CAPE 1900—CAPE 1885.

No. 1900.	Mag.	1900—1885. ΔEp.	Δα	Δδ
		0h		
		y	s	″
25	4·0	13·92	+ 0·23	− 1·8
119	4·0	13·76	+ 0·08	+ 1·4
203	5·0	13·83	+ 0·04	+ 0·5
304	8·0	15·59	+ 0·07	+ 0·3
318	8·0	15·88	+ 0·02	+ 0·6
323	8·4	15·90	− 0·15	− 1·8
		1h		
347	4·0	14·02	+ 0·03	+ 2·0
438	9·5	12·11 12·10	+ 0·23	+ 0·9
461	7·5	12·39 12·38	+ 0·18	+ 0·7
484	4·0	14·98	+ 0·20	+ 2·9
563	9·2	13·88	− 0·06	− 1·1
574	9·0	15·01	+ 0·06	− 0·4
607	4·5	13·87	+ 0·22	− 1·2
640‡	9·1	14·95	+ 0·11	− 3·0
		2h		
795	4·0	14·81	+ 0·11	0·0
869	4·5	12·29	+ 0·17	+ 0·6
		3h		
1048	6·5	15·16	+ 0·20	+ 0·1
1087*	4·5	13·29	+ 3·76	+ 10·1
		4h		
1441	5·5	15·27	+ 0·13	...
		6h		
		y	s	″
2067	7·3	13·66	+ 0·08	...
2348	3·0	14·91	− 0·02	− 0·8
2421	7·0	13·76	+ 0·10	...
		9h		
3437	5·0	15·00	− 0·17	− 0·1
3576	6·5	13·80	− 0·06	− 0·2
		10h		
3879	3·0	15·01	+ 0·14	− 1·2
		12h		
4502	4·5	15·01	− 0·04	0·0
4560	4·0	13·96 13·97	− 0·27	− 0·1
		13h		
5044	4·5	13·90	+ 0·05	− 0·3
		14h		
5440	4·0	14·01	+ 0·05	− 0·4
		15h		
5529	6·0	11·92	+ 0·03	+ 0·3
5666	5·2	13·87	− 0·23	− 3·3
		16h		
6098	5·5	12·23	+ 0·12	+ 0·2
		17h		
		y	s	″
6510	4·0	14·99	0·00	0·0
		18h		
6634	4·0	13·93 13·95	+ 0·04	− 0·9
		19h		
6956	4·0	11·99	+ 0·08	− 1·5
		20h		
7377*	3·0	13·80	+ 0·08	+ 2·6
		21h		
7770	8·0	15·81	− 0·03	− 0·4
7783*	5·8	15·80	+ 0·20	− 4·8
7814	7·8	15·85	− 0·06	− 0·4
7830	7·9	15·81	+ 0·10	− 0·5
7845	7·8	15·92	+ 0·16	+ 0·2
7873	7·8	15·99	0·00	− 0·7
		22h		
8017	4·7	13·66	+ 0·03	+ 0·1
8091	2·0	13·93	+ 0·18	+ 0·3
8126	4·0	14·97	+ 0·21	− 0·2
		23h		
8233	4·0	13·86	0·00	+ 0·2
8249	4·0	13·76	+ 0·25	− 0·7

* An asterisk attached to the No. indicates that Δα and Δδ, ‡ that Δδ, have not been used in forming the mean of group.

CAPE 1900—CAPE 1890.

No. 1900.	Mag.	1900—1890. ΔEp.	Δα	Δδ
			0h	
		y	s	″
5	6·0	5·46	+ 0·30	− 0·7
25	4·0	10·30	+ 0·16	− 1·5
119	4·0	9·23	+ 0·06	+ 0·7
		9·42		
142	6·5	10·08	0·00	+ 0·4
		10·19		
197	6·5	9·54	+ 0·02	+ 0·5
203	5·0	10·90	− 0·02	+ 0·1
262	5·5	12·09	+ 0·23	+ 0·8
289	7·0	10·94	− 0·11	− 1·3
304	8·0	9·36	+ 0·06	+ 0·1
			1h	
347	4·0	10·94	+ 0·03	+ 0·7
452	7·0	9·40	− 0·01	+ 0·3
484	4·0	10·18	+ 0·18	+ 1·4
526	7·0	6·36	− 0·08	+ 0·2
542	7·1	11·55	0·00	− 0·2
564	6·0	3·83	+ 0·05	0·0
607	4·5	6·35	− 0·08	− 0·2
609	5·5	9·37	− 0·04	0·0
		9·29		
642	6·0	2·11	− 0·05	+ 0·4
			2h	
795	4·0	10·22	+ 0·01	+ 0·4
823	7·7	11·10	− 0·07	+ 0·2
869	4·5	2·53	+ 0·04	0·0
932	7·0	8·06	+ 0·02	+ 0·9
		8·10		
982	7·2	1·02	+ 0·10	+ 0·3
1000	7·0	10·05	+ 0·10	+ 0·3
			3h	
1087*	4·5	9·03	+ 2·50	+ 7·2
1102	7·3	6·94	+ 0·05	− 0·9
1136	7·5	7·63	+ 0·01	− 0·6
1167	6·0	7·20	+ 0·09	+ 1·1
1188	4·8	7·30	− 0·02	+ 0·4
			4h	
1410	4·0	6·55	+ 0·06	− 1·5
1450	7·5	5·27	− 0·04	+ 0·5
1509	5·5	9·76	− 0·02	+ 0·2
		9·93		
1600	8·3	6·49	+ 0·03	− 0·6
			5h	
1701	5·5	9·70	+ 0·03	+ 0·3
1866	7·7	9·91	0·00	− 0·1
1982	7·0	5·12	+ 0·10	− 0·1
		5·55		
2033	7·3	1·51	+ 0·05	+ 0·3
			6h	
2049	9·3	2·11	− 0·04	+ 0·8
2095	7·7	6·71	− 0·08	+ 0·4
2323	7·5	9·70	+ 0·10	+ 0·2
2348	3·0	8·12	+ 0·07	− 0·1
			7h	
2455	8·9	10·97	− 0·01	− 0·3
2458	6·5	10·25	+ 0·04	+ 1·2
2490	5·0	9·37	− 0·09	+ 1·3
2497	5·5	3·97	+ 0·08	− 0·4
2601	9·3	12·01	− 0·01	+ 0·8
2605	7·1	8·77	+ 0·05	+ 0·5
2637	8·7	6·53	+ 0·07	− 0·1
2730	4·0	9·77	+ 0·01	+ 0·3
			8h	
2935	7·3	8·72	+ 0·01	+ 1·0
2954	8·3	8·82	0·00	+ 0·7
3172	8·0	8·99	+ 0·10	+ 0·9
			9h	
3223	5·0	9·86	+ 0·03	+ 0·3
3243	7·3	8·45	+ 0·04	+ 0·3
3296	7·3	3·89	+ 0·02	− 0·4
3324	9·5	9·71	+ 0·14	+ 0·5
3346	8·8	8·99	0·00	+ 1·0
3402	6·0	2·47	− 0·06	+ 0·4
3432	7·0	9·88	+ 0·01	− 0·3
3437	5·0	7·96	− 0·07	+ 0·4
3454	9·3	9·97	+ 0·06	+ 0·7
3533	7·0	8·91	0·00	+ 0·2
3576	6·5	9·50	+ 0·01	+ 0·5
3584	8·0	10·94	+ 0·07	+ 0·5
			10h	
3649	5·2	5·03	+ 0·07	0·0
3717	6·7	9·18	+ 0·05	+ 0·1
3795	7·0	6·90	+ 0·05	+ 0·4
3879	3·0	8·72	+ 0·12	− 0·6
3890	7·5	8·38	− 0·10	+ 0·9
3929	6·4	8·43	0·00	0·0
		8·51		
3943	7·0	4·96	0·00	− 0·1
3958	5·0	6·51	+ 0·04	+ 0·3
			11h	
4011	7·2	4·96	+ 0·01	− 0·4
4065	8·0	9·46	− 0·01	0·0
4192	5·8	5·11	+ 0·03	− 0·2
4281	5·0	7·68	− 0·02	+ 0·3
		7·75		
			12h	
4381	7·8	6·25	− 0·09	+ 0·2
4388	6·0	3·02	− 0·03	− 0·7
4484	6·5	7·48	0·00	− 0·1
		7·34		
4502	4·5	6·11	+ 0·10	+ 0·4
4548	7·0	7·83	+ 0·05	+ 0·2
4560	4·0	7·43	− 0·18	+ 0·3
4663	7·0	5·62	+ 0·01	− 0·4
4721	7·0	1·07	+ 0·03	− 0·4
			13h	
4763	6·0	1·12	+ 0·08	0·0
4778	6·8	3·81	+ 0·04	+ 0·2
4812	6·5	5·02	− 0·02	+ 0·2
4868	5·8	5·01	− 0·14	0·0
4972	5·2	6·09	+ 0·03	0·0
5032	7·8	3·02	+ 0·03	0·0
5044	4·5	7·23	+ 0·03	+ 0·3
			14h	
5092	7·0	11·63	+ 0·01	+ 1·3
5143	7·0	2·83	+ 0·10	+ 0·3
5186	7·0	8·22	+ 0·02	0·0
5208	5·0	6·00	− 0·06	+ 0·1
		6·23		
5259	7·0	2·15	+ 0·07	− 0·1
5310	7·4	7·40	+ 0·03	− 0·2
5334	6·5	5·00	+ 0·03	− 0·1
5440	4·0	9·19	+ 0·04	+ 0·3
			15h	
5529	6·0	5·97	+ 0·03	− 0·4
		6·99		
5547	6·0	5·70	+ 0·01	+ 0·1
		5·13		
5647	4·7	1·54	− 0·01	− 0·6
5666	5·2	7·83	− 0·04	− 1·1
5731	8·1	3·59	+ 0·08	+ 1·0
5816	5·0	8·28	+ 0·08	+ 1·1
			16h	
5853	7·4	7·82	+ 0·10	− 0·2
5888	6·0	1·01	+ 0·11	− 0·3
5965	6·0	1·94	+ 0·10	− 0·6
6025	7·5	8·08	+ 0·10	+ 0·3
		8·99		
6098	5·5	7·27	+ 0·07	− 0·3
6138	7·3	6·88	+ 0·05	+ 1·0
			17h	
6193	5·8	2·72	+ 0·10	+ 0·1
6271	6·0	10·84	− 0·03	− 0·2
		11·00		
6428	5·8	3·39	+ 0·07	− 0·4
		3·75		
6459	5·0	9·77	− 0·06	− 0·5
		9·92		
6470	8·0	4·52	+ 0·08	+ 0·2
6510	4·0	8·13	− 0·01	+ 0·2

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

CAPE 1900—CAPE 1890.

No. 1900.	Mag.	1900—1890. ΔEp.	Δα	Δδ
			18h	
		y	s	″
6715	7·8	7·85	+ 0·04	− 0·8
6758	5·5	5·93	+ 0·09	− 0·2
6774	6·0	8·10	+ 0·09	+ 0·3
6796	6·0	3·54	+ 0·04	− 0·4
6843	7·7	4·47	+ 0·02	+ 0·2
			19h	
6876	6·5	6·67	+ 0·06	− 0·2
6901	6·5	9·38	+ 0·14	− 0·6
6956	4·0	6·23	+ 0·08	− 0·7
6987	6·0	2·55	+ 0·04	− 0·6
7015	5·5	7·65	+ 0·04	+ 0·2
7104	7·0	9·45 9·44	+ 0·01	− 0·6
7131	5·0	6·62	+ 0·08	+ 0·2
7193	8·5	9·81	− 0·05	− 0·4
			20h	
		y	s	″
7292	5·8	5·05	+ 0·08	− 0·4
7354	6·5	8·69 8·35	− 0·04	− 1·6
7377	3·0	7·90	+ 0·07	0·0
7478	5·0	6·75	+ 0·08	0·0
			21h	
7677	7·0	8·11	+ 0·02	− 0·4
7697	6·5	5·11 4·95	+ 0·02	+ 0·2
7700	7·5	11·82	− 0·02	− 0·5
7735	8·0	12·96	+ 0·15	− 0·6
7770	8·0	11·76	− 0·11	0·0
7783*	5·8	11·75	+ 0·18	− 3·5
7814	7·8	11·80	− 0·06	+ 0·1
7830	7·9	11·76	+ 0·09	− 0·4
7845	7·8	11·87 11·86	+ 0·09	− 0·2
7873	7·8	11·94	− 0·05	− 0·3
			22h	
		y	s	″
7903	7·0	12·84	+ 0·25	− 0·7
7937	6·5	11·96	+ 0·10	− 0·1
8017	4·7	8·85	− 0·03	+ 0·5
8091	2·0	7·11	+ 0·11	+ 0·3
8097	6·0	5·63	− 0·02	− 0·7
8126	4·0	9·65 9·54	+ 0·22	0·0
8191	8·0	10·98	+ 0·07	+ 0·3
8196	7·2	11·91	+ 0·22	0·0
			23h	
8233	4·0	7·06	0·00	+ 0·3
8249	4·0	9·08	+ 0·20	0·0
8289	7·0	2·76	0·00	+ 0·2
8366	6·5	9·34	+ 0·11	+ 0·3
8387	4·8	8·49 8·45	+ 0·10	− 0·3
8458	5·0	9·71	+ 0·11	− 0·2
8481	7·0	5·07	+ 0·05	+ 0·3
8546	7·0	1·22	− 0·01	+ 0·1

* An asterisk attached to the No. indicates that Δα and Δδ have not been used in forming the mean of group.

PROPER MOTIONS RESULTING FROM THE COMPARISONS.

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2	7·5	G	21·0	4	−0·004	−0·05
		8o	19·6	3	− ·001	− ·01
					− ·002	− ·03
3	7·4	G	20·9	3	− ·002	− ·03
		Z	27·0	2	− ·004	+ ·02
					− ·002	− ·01
4	7·5	5o	45·2:45·9	1:3	+ ·008	− ·10
		G	19·9	5	+ ·005	− ·15
		Ms	15·0	5	+ ·008	+ ·12
		8o	19·1	3	+ ·006	− ·09
					+ ·006	− ·09
5	6·0	G	25·0	5	+ ·051	− ·06
		Ms	33·6	5	+ ·053	− ·04
		8o	23·0	3	+ ·053	− ·05
		9o	5·5	6	+ ·048	− ·18
					+ ·052	− ·05
6	9·3	G	19·0	3	− ·004	− ·05
		Z	24·5	2	− ·001	− ·01
					− ·003	− ·04
8	8·5	Z	24·0	1	+ ·002	·00
9	9·5	Z	24·4	1	− ·003	+ ·04
10	7·8	G	17·8	3	·000	− ·03
		Z	25·8	2	− ·001	+ ·03
					·000	− ·01
11	8·5	t	58·6	3	− ·016	− ·01
		G	20·2	5	− ·008	− ·02
		8o	19·6	3	− ·015	+ ·04
					− ·013	·00
12	8·5	Z	24·9	1	+ ·016	·00
13	9·0	Z	24·9	1	− ·003	+ ·02
15	8·5	G	18·0	4	+ ·002	− ·05
		Z	23·4	2	− ·002	·00
					+ ·001	− ·04
16	8·5	Z	26·8	1	− ·003	− ·04
17	9·0	Z	26·9	1	− ·002	− ·02
20	8·0	G	17·8	3	+ ·009	− ·06
		Z	23·3	2	+ ·006	− ·04
		Ms	16·9	5	+ ·018	− ·08
					+ ·009	− ·06
21	9·4	Z	26·0	1	·000	− ·03
22	8·0	G	18·6	5	+ ·006	− ·05
		Ms	30·0	5	+ ·006	− ·01
		8o	19·0	3	+ ·006	− ·02
					+ ·006	− ·03
23	8·5	Z	26·9	1	− ·007	+ ·03
24	7·0	Z	26·5	3	+ ·003	+ ·04
25	4·0	t	67·0:66·9	6:5	+0·009	−0·19
		4o	63·0	2	...	− ·17
		5o	45·9:47·5	2	+ ·010	− ·20
		6o	38·9:39·0	6:9	+ ·011	− ·18
		M	27·9	3	+ ·011	− ·21
		G	22·9	4	+ ·011	− ·21
		Ms	21·3	5	+ ·015	− ·15
		8o	22·0:21·9	3:4	+ ·009	− ·19
		85	13·9	5	+ ·012	− ·14
		9o	10·3	12	+ ·010	− ·18
					+ ·010	− ·19
26	9·2	Z	23·4	2	− ·009	− ·02
27	8·5	Z	24·1	1	+ ·015	− ·11
28	7·5	t	60·0	3	− ·007	·00
		G	21·4	4	+ ·001	+ ·01
		8o	22·0	3:4	− ·005	·00
					− ·005	·00
29	8·9	Z	26·8	1	+ ·003	− ·03
30	9·2	Z	22·0	1	·000	+ ·06
31	9·0	Z	25·8	1	+ ·005	− ·02
32	8·5	Z	24·4	1	− ·014	− ·01
35	7·7	G	20·0:20·2	5:4	·000	− ·02
		Ms	30·9:31·0	5	− ·003	− ·01
		8o	19·7:19·8	3	− ·002	− ·03
					− ·002	− ·02
37	8·4	Z	25·9	1	·000	− ·03
38	6·5	t	58·4	3:2	− ·011	− ·09
		5o	45·3:46·6	2:3	− ·008	− ·05
		G	20·0	6	− ·013	− ·08
		8o	19·9	6	− ·012	− ·08
		m	16·3	3	− ·022	+ ·04
					− ·012	− ·06
41	8·8	Z	26·9	1	− ·005	− ·01
43	9·7	Z	21·9	1	+ ·002	− ·07
48	7·0	t	61·0	3	− ·011	− ·04
		G	23·1	5	− ·004	− ·04
		8o	23·0	3	+ ·001	·00
					− ·007	− ·03
49	8·9	Z	25·5	4	− ·001	− ·03
52	7·8	G	20·8	5	·000	− ·03
		8o	20·0	3	− ·003	− ·04
					− ·001	− ·
53	8·1	Z	26·6	3	− ·005	− ·02
54	8·8	Z	25·3	3	− ·009	− ·05
55	8·9	Z	24·9	1	+ ·009	− ·08
57	8·8	Z	23·4	2	− ·010	− ·01
59	8·1	Z	24·9	2	+ ·004	+ ·02
60	9·4	Z	26·4	2	− ·005	− ·05
61	7·5	5o	44·4:46·1	1:2	0·000	−0·06
		G	20·8	6	− ·006	− ·14
		8o	19·4	3	− ·009	− ·12
					− ·005	− ·09
62	7·8	G	18·0	3	− ·001	− ·07
		Z	24·2	3	− ·006	− ·04
					− ·003	− ·06
63	8·0	G	20·3	5	− ·005	− ·08
		Z	24·9	1	− ·003	·00
					− ·005	− ·07
64	8·3	Z	26·4	2	− ·006	+ ·03
67	9·6	Z	25·0	1	− ·014	+ ·04
68	8·8	Z	25·9	1	− ·001	− ·03
		8o	23·0	3	+ ·002	− ·04
					+ ·002	− ·04
70	8·0	G	18·0	3	+ ·040	− ·07
		Z	25·9	1	+ ·039	·00
					+ ·040	− ·06
74	8·8	Z	25·8	1	− ·002	·00
75	7·5	G	23·3:23·4	6:7	− ·002	− ·06
		8o	23·0	3	− ·013	− ·07
					− ·006	− ·06
76	7·5	G	22·0	4	− ·011	− ·02
		8o	22·0	3	− ·007	+ ·02
					− ·009	·00
78	6·5	t	59·1	3:2	+ ·004	− ·01
		4o	57·2	1	+ ·002	..
		5o	45·2:45·9	2	·000	+ ·01
		G	22.6:22·7	5:6	·000	·00
		8o	19·3	3	+ ·002	− ·01
					+ ·002	·00
79	9·5	Z	25·9	1	− ·013	− ·10
81	9·1	Z	25·7	1	·000	− ·04
82	8·0	G	20·9	5	− ·001	− ·29
		Ms	31·8	5	+ ·001	− ·25
		8o	19·8	3	− ·006	− ·28
					− ·001	− ·27
83	7·8	G	21·6	5	·000	− ·03
		8o	22·9	3	+ ·001	− ·01
					·000	− ·02
88	9·4	G	18·9	4:3	+ ·006	− ·05
		Z	24·4	2	− ·002	·00
					+ ·004	− ·03
89	8·9	Z	26·4	2	− ·012	− ·10
92	9·4	Z	22·0	1	+ ·005	·00
93	9·1	Z	23·3	2	+ ·011	·00
94	9·0	Z	25·9	1	− ·007	+ ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
95	8·5	Z	24·5	1	−0·002	+0·10
97	7·0	G	25·2	6	+ ·001	+ ·05
		8o	23·0	3	+ ·001	+ ·07
					+ ·001	+ ·06
98	9·0	Z	24·2	1	− ·007	− ·03
99	9·1	Z	25·9	1	− ·008	·00
100	9·1	Z	25·8	1	− ·011	·00
101	9·3	Z	25·7	1	+ ·003	·00
102	8·1	G	25·0	4	− ·010	− ·01
		8o	22·9	3	− ·001	+ ·03
					− ·005	+ ·01
104	9·3	Z	25·9	1	− ·012	+ ·01
106	9·0	Z	24·5	1	− ·003	+ ·02
108	9·5	Z	20·9	1	− ·010	− ·04
109	9·4	Z	25·7	2	− ·008	+ ·02
110	7·0	t	61·0	3	+ ·050	− ·28
		5o	47.0:48·3	2:4	+ ·057	− ·25
		G	23·1	6	+ ·056	− ·24
		8o	22·9	3	+ ·053	− ·17
		m	22·9	3	+ ·055	− ·22
					+ ·054	− ·25
111	8·5	Z	24·9	2	+ ·008	− ·10
112	7·5	G	18·8:20·0	5:4	+ ·006	− ·05
		8o	19·0	3	+ ·003	+ ·04
					+ ·005	·00
113	9·4	Z	25·8	1	+ ·013	− ·05
114	7·9	G	23·1	4	− ·003	− ·03
		8o	23·0	3	− ·002	+ ·01
					− ·002	− ·01
116	9·3	Z	23·4	2	− ·009	− ·07
117	8·7	Z	26·4	2	·000	·00
119	4·0	t	66·8:66·3	5:11	+ ·005	+ ·03
		4o	51·7:48·8	2:1	+ ·009	+ ·04
		5o	45·8:47·4	2	+ ·011	+ ·05
		65	30·8	4	+ ·007	·00
		M	27·7	3	+ ·008	− ·03
		G	22·7	4	+ ·006	+ ·04
		Ms	21·3	5	+ ·008	+ ·07
		8o	20·8	3	− ·004	+ ·03
		85	13·8	2	+ ·001	+ ·10
		9o	9·2:9·4	12:13	·000	+ ·04
					+ ·007	+ ·03
120	7·0	G	22·3:22·1	5:4	− ·011	− ·08
		Ms	27·4	5	− ·004	− ·04
		8o	19·0	3	− ·004	− ·06
					− ·007	− ·06
122	9·0	Z	24·6	2	·000	+ ·05
124	8·5	G	19·0	3	+ ·012	+ ·03
		Z	26·4	2	+ ·008	+ ·03
					+ ·011	+ ·03
125	9·0	Z	23·4	1	+ ·007	·00
127	9·5	Z	20·8	1	−0·007	+0·03
128	9·3	G	16·9	2	− ·008	− ·05
		Z	25·9	1	− ·001	+ ·01
					− ·006	− ·04
129	9·0	Z	24·1	1	+ ·005	− ·01
130	9·3	Z	22·0	1	+ ·002	− ·02
131	6·5	t	60·0:60·4	6:5	+ ·008	− ·02
		5o	47·1:48·7	2	+ ·018	− ·02
		G	25·3	7	+ ·011	− ·05
		Ms	18·0	5	+ ·018	+ ·18
		8o	23·1	3	+ ·013	− ·02
					+ ·012	− ·02
133	8·5	Z	25·8	1	+ ·010	·00
136	8·9	Z	25·9	1	+ ·001	+ ·03
137	8·3	Z	25·9	1	− ·008	+ ·05
138	7·0	t	59·5:59·9	5:6	− ·004	− ·04
		4o	57·4	2	+ ·001	...
		5o	45·4:46·4	2:3	·000	·00
		G	23·3	6	− ·004	·00
		Ms	18·5	5	+ ·004	− ·04
		8o	20·0	3	− ·004	− ·05
		m	16·9	3	− ·002	− ·07
					− ·002	− ·03
139	8·9	Z	25·8	1	+ ·009	− ·02
140	9·1	Z	23·5	2	− ·006	+ ·04
142	6·5	t	60·1:60·0	4:3	− ·002	+ ·01
		4o	56·8	1	− ·003	...
		5o	44·4:46·2	2	·000	+ ·02
		G	22·6	6	− ·007	− ·02
		Ms	17·3	5	− ·013	+ ·05
		8o	19·4	3	− ·001	+ ·06
		9o	10·1:10·2	7:5	− ·003	+ ·01
					− ·003	+ ·02
143	6·5	t	58·4	3	− ·003	− ·09
		5o	44·4:45·4	2:1	+ ·001	− ·08
		G	20·3	5	+ ·005	− ·09
		8o	19·4	3	+ ·007	− ·07
					+ ·001	− ·08
144	5·8	t	61·0	3	+ ·007	− ·11
		4o	62·9	4	+ ·012	...
		5o	48·0	2	+ ·011	...
		G	25·3	8	+ ·005	− ·15
		Ms	19·5	5	+ ·003	− ·12
		8o	23·0	3	+ ·008	− ·09
		m	23·0	3	+ ·010	− ·12
					+ ·009	− ·12
145	8·8	G	17·9	4	− ·006	− ·11
		Z	25·9	1	− ·013	− ·12
					− ·007	− ·11
146	9·0	Z	25·0	1	+ ·004	− ·08
147	9·6	Z	27·0	1	+ ·001	+ ·02
148	9·1	G	17·0	3	+ ·007	− ·01
		Z	25·0	1	− ·001	+ ·04
					+ ·006	·00
150	8·0	G	20·0	3	0·000	−0·05
		Z	26·4	2	− ·005	− ·04
					− ·001	− ·05
151	9·0	Z	26·9	1	− ·007	+ ·01
152	7·5	G	22·0	5	− ·002	− ·03
		8o	20·9	3	− ·008	− ·06
					− ·004	− ·05
153	7·8	G	22·1	5	− ·004	·00
		8o	22·0	3	− ·005	+ ·04
					− ·004	+ ·02
155	9·0	Z	24·0	1	+ ·003	+ ·04
158	7·0	G	19·7	3	− ·007	− ·08
		Z	24·1	3	− ·006	·00
					− ·007	− ·05
160	8·5	Z	24·1	1	·000	− ·07
		Ms	14·0	3	− ·009	− ·15
					− ·003	− ·11
162	8·3	G	18·0	3	+ ·006	+ ·02
		Z	25·9	2	+ ·002	− ·03
					+ ·005	·00
165	7·0	t	58·2:58·3	3	+ ·001	+ ·02
		4o	60·1	4	+ ·007	...
		5o	45·1:45·9	2	+ ·006	+ ·04
		65	29·1:29·2	2	+ ·007	− ·01
		G	20·4:20·5	5	+ ·005	+ ·01
		8o	19·2:19·3	3	+ ·011	+ ·03
		m	16·1:16·2	3	− ·001	·00
					+ ·005	+ ·02
166	9·0	Z	25·3	3	− ·003	·00
167	7·0	G	24·0	7	− ·006	− ·01
		8o	21·9	3	− ·002	− ·05
					− ·005	− ·03
169	8·2	Z	24·0	1	+ ·005	+ ·03
170	9·5	Z	24·4	1	− ·003	− ·07
171	8·0	G	21·6	4	+ ·006	− ·21
		8o	19·6	3	+ ·007	− ·18
					+ ·006	− ·19
172	9·3	Z	25·7	1	+ ·008	− ·01
173	5·8	t	60·9:61·0	3:2	− ·003	− ·14
		4o	61·6:63·8	7:1	+ ·003	− ·18
		5o	47·0:48·4	2:3	+ ·005	− ·12
		G	23·7:23·2	7:8	− ·001	− ·11
		Ms	20·0	5	− ·001	− ·18
		8o	22·9	3	+ ·003	− ·09
					+ ·002	− ·13
174	9·0	Z	26·4	2	− ·001	− ·05
176	9·1	Z	27·2	1	+ ·003	− ·05
177	8·5	G	14·0	2	·000	− ·15
		Z	24·0	1	+ ·004	+ ·06
					+ ·001	− ·11
179	7·1	G	25·3	7	+ ·031	− ·16
		8o	23·0	4	+ ·038	− ·14
					+ ·033	− ·15

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
181	8·5	Z	24·1	3	−0·009	−0·08
182	9·5	Z	24·0	1	+ ·009	·00
183	8·9	Z	25·9	2	+ ·003	− ·02
184	8·5	Z	24·0	1	− ·001	+ ·01
185	8·2	G	23·1	4	− ·001	− ·03
		8o	22·9	3	− ·005	·00
					− ·003	− ·01
186	7·5	G	22·0	5	− ·007	+ ·03
		Ms	14·8	5	− ·009	+ ·05
		8o	21·8	3	− ·011	+ ·06
					− ·008	+ ·05
188	8·9	Z	25·9	1	− ·002	− ·02
189	8·3	G	17·0	3	+ ·001	− ·13
		Z	24·1	2	+ ·002	·00
					+ ·001	− ·09
191	8·0	G	20·6:20·7	4	− ·006	− ·05
		Ms	13·3:13·4	5	+ ·010	− ·09
		8o	19·4:19·5	3	− ·007	− ·01
					− ·005	− ·04
193	7·5	G	20·4	5	− ·002	− ·05
		8o	19·3	3	− ·007	+ ·07
					− ·004	+ ·02
195	8·5	G	16·7	3	+ ·002	− ·05
		Z	24·7	1	+ ·002	+ ·03
					+ ·002	− ·03
196	8·5	G	21·8	5	− ·012	− ·20
		8o	19·4	3	− ·020	− ·11
					− ·015	− ·15
197	6·5	t	59·9	3	− ·005	·00
		4o	61·8:62·8	4:2	+ ·002	− ·06
		5o	46·8:47·6	2	+ ·004	·00
		G	24·1	8:7	− ·005	− ·02
		Ms	15·5	5	+ ·006	+ ·14
		8o	21·8	3	+ ·006	+ ·04
		m	17·8	3	− ·004	− ·03
		9o	9·5	13	− ·001	+ ·02
					·000	− ·01
198	8·6	Z	26·0	2	− ·003	+ ·08
199	8·7	Z	25·9	1	+ ·012	− ·19
200	8·8	Z	24·9	1	− ·003	+ ·01
201	8·3	t	56·8:56·5	5:6	− ·007	− ·04
		4o	57·0	1	− ·001	− ·02
		5o	44·2:45·7	2	+ ·001	+ ·03
		G	19·0	4	− ·008	− ·01
		8o	19·1	3	− ·014	− ·04
		m	21·6	3	− ·006	− ·01
					− ·005	− ·02
203	5·0	t	63·8:63·4	9:8	− ·007	− ·02
		5o	46·7:47·4	2:3	− ·005	− ·02
		6o	38·7	1	− ·002	+ ·01
		65	30·8:30·9	4:5	− ·002	− ·03
		M	27·7	3	− ·003	− ·02
		G	20·7	4	− ·009	− ·05
		Ms	18·7	5	− ·016	− ·06
		8o	21·8:22·2	3:4	·000	·00
		85	13·8	6	− ·001	+ ·03
		9o	10·9	12	− ·006	− ·02
					− ·004	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
206	9·0	Z	26·5	2	−0·002	−0·03
207	8·5	Z	24·3	1	− ·003	− ·03
208	8·5	G	18·0	3	+ ·004	+ ·09
		Z	25·9	1	+ ·002	+ ·12
					+ ·004	+ ·10
209	8·3	Z	25·7	1	− ·008	− ·03
210	8·5	G	18·9	3	·000	− ·02
		Z	26·5	2	+ ·005	− ·03
					+ ·001	− ·02
214	8·5	Z	24·5	1	+ ·001	− ·02
215	7·0	G	21·7	4	− ·003	− ·02
		8o	21·8	4	·000	+ ·03
					− ·001	+ ·01
216	7·7	G	17·9	3	− ·006	− ·08
		Z	25·9	1	− ·005	− ·05
					− ·006	− ·08
217	8·5	Z	27·0	1	+ ·002	− ·04
218	8·4	Z	27·0	1	− ·001	− ·02
220	7·0	G	25·2	5	− ·003	− ·04
		8o	23·0	3	− ·001	+ ·03
					− ·002	·00
222	8·6	Z	25·8	1	+ ·009	− ·07
223	7·6	G	22·4	5	− ·001	− ·03
		8o	23·0	3	+ ·001	·00
					·000	− ·01
224	9·4	Z	24·7	1	− ·005	+ ·03
225	6·5	t	59·0:58·9	6:7	− ·013	− ·12
		5o	44·3:45·9	2	− ·007	− ·12
		G	20·4	5	− ·009	− ·14
		Ms	13·2	5	− ·015	− ·01
		8o	19·2	3	− ·010	− ·13
		m	21·8	3	− ·011	− ·12
					− ·011	− ·12
227	8·5	Z	25·8	1	+ ·005	+ ·05
228	7·5	t	61·0	3	·000	− ·02
		5o	47·0:49·1	2	+ ·009	·00
		G	25·0	4	− ·002	− ·04
		8o	23·0	3	− ·001	+ ·03
		m	18·9	3	+ ·001	− ·01
					+ ·002	− ·01
229	9·2	Z	25·0	1	+ ·006	− ·02
230	9·1	Z	27·0	1	− ·006	+ ·05
232	8·3	G	21·0	5	− ·002	·00
		8o	20·0	3	− ·005	+ ·01
					− ·003	+ ·01
234	8·0	G	19·4	5	− ·008	− ·10
		Z	26·7	3	− ·008	− ·07
					− ·008	− ·09

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
235	6·0	t	61·0	3	+0·012	+0·07
		4o	63·0	3	+ ·017	...
		5o	47·7:48·7	2	+ ·018	+ ·08
		G	23·2	4	+ ·019	+ ·03
		8o	23·0	3	+ ·019	+ ·09
		m	23·0	3	+ ·016	+ ·07
					+ ·016	+ ·07
236	8·5	Z	25·7	1	+ ·021	− ·01
238	9·0	Z	24·0	1	− ·003	·00
239	8·8	Z	24·6	1	− ·001	+ ·02
		8o	19·6	3	− ·014	− ·01
					− ·012	− ·01
242	8·3	Z	25·7	1	+ ·002	+ ·02
244	8·5	G	18·9	3	− ·005	− ·07
		Z	26·4	2	− ·005	− ·05
					− ·005	− ·06
245	9·0	Z	24·0	1	+ ·001	+ ·02
246	6·6	t	59·9	3	− ·011	+ ·03
		4o	60·3:58·8	8:1	− ·003	+ ·03
		5o	46·8:47·6	2	− ·003	·00
		65	29·8	1	− ·003	+ ·03
		G	24·3	7	− ·009	+ ·02
		8o	21·9	3	− ·005	+ ·04
					− ·005	+ ·02
247	7·5	G	20·2	5	− ·002	− ·02
		8o	19·7	3	− ·001	− ·02
					− ·002	− ·02
250	9·0	Z	25·8	1	− ·005	− ·08
253	7·0	t	58·7:58·5	5	− ·004	− ·01
		4o	57·0:57·1	3:1	·000	·00
		5o	45·0:45·6	2:3	+ ·001	+ ·04
		G	22·3	7	− ·008	− ·02
		Ms	12·9	5	+ ·016	− ·06
		8o	19·1	3	− ·008	+ ·02
		m	16·0	3	− ·007	− ·07
					− ·003	·00
254	8·8	G	25·6	5	+ ·001	− ·02
		8o	19·5	3	− ·003	− ·02
					·000	− ·02
255	8·5	Z	25·8	1	+ ·007	− ·06
257	9·5	Z	25·0	1	− 005	+ ·02
259	9·3	Z	25·9	1	− ·003	− ·04
260	8·9	G	16·8	3	+ ·010	− ·01
		Z	24·9	1	·000	+ ·04
					+ ·009	·00
262	5·5	t	60·9	3	·000	+ ·03
		4o	61·6	7	+ ·005	...
		5o	46·9:48·7	1:2	+ ·005	+ ·04
		65	32·2	6	+ ·005	+ ·04
		G	25·3:25·4	5:4	+ ·003	− ·02
		Ms	20·4	5	+ ·006	·00
		8o	22·9	3	·000	+ ·05
		m	22·9:21·5	3	+ ·003	+ ·07
		9o	12·1	4	+ ·016	+ ·04
					+ ·004	+ ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
264	9·8	G	19·0	3	+0·001	+0·04
		Z	26·0	1	− ·006	+ ·02
					·000	+ ·04
266	8·5	Z	25·9	1	·000	− ·02
267	9·5	Z	24·1	1	+ ·013	− ·19
268	8·5	G	20·4	6	·000	− ·10
		Z	26·6	4	− ·004	+ ·02
					− ·001	− ·07
269	7·2	t	62·9:63·8	3:4	+ ·003	·00
		G	24·3	6	− ·006	− ·03
		80	21·0	3	− ·004	− ·03
					− ·001	− ·01
270	7·9	G	20·2	4	− ·003	− ·04
		80	19·0	3	− ·010	− ·07
					− ·006	− ·06
272	9·4	Z	26·1	1	+ ·001	− ·08
275	8·4	G	20·0	3	− ·003	− ·13
		Z	26·6	3	+ ·001	+ ·01
					− ·002	− ·08
277	7·9	G	17·8	3	+ ·003	− ·04
		Z	25·7	1	− ·003	− ·02
					+ ·002	− ·04
279	9·5	Z	25·9	1	− ·001	− ·05
280	9·0	G	16·0	4	+ ·004	− ·04
		Z	24·1	1	+ ·003	·00
					+ ·004	− ·04
281	6·7	G	25·2	9	+ ·002	− ·02
		Z	26·6	3	+ ·002	+ ·01
					+ ·002	− ·02
282	8·7	G	16·9	4	+ ·001	− ·04
		Z	24·6	2	− ·001	+ ·01
					+ ·001	− ·03
284	9·3	Z	26·6	2	− ·005	− ·08
285	7·6	G	18·0	4	− ·002	− ·02
		Z	25·8	1	− ·001	− ·02
					− ·002	− ·02
286	9·0	G	16·0	4	·000	− ·10
		Z	24·1	1	− ·006	− ·05
		Ms	15·0	5	+ ·008	− ·04
					·000	− ·08
287	8·0	G	18·0	3	− ·002	− ·03
		Z	25·9	2	− ·002	− ·00
					− ·002	− ·02
288	8·0	G	16·1	3	+ ·003	+ ·04
		Z	24·0	2	− ·003	− ·05
		Ms	30·7	5	− ·007	+ ·05
					− ·004	+ ·03
289	7·0	G	24·3:24·4	5:4	− ·015	− ·14
		80	21·9	3	− ·013	− ·12
		90	10·9	11	− ·013	− ·12
					− ·014	− ·13
290	10·0	G	14·4	1	0·000	−0·06
		Z	24·4	1	− ·003	+ ·04
					− ·001	− ·03
291	8·0	G	16·0	4	+ ·001	− ·10
		Z	24·0	1	− ·003	·00
					·000	− ·09
292	9·6	Z	26·0	2	− ·014	− ·07
294	8·0	G	19·0	4	− ·003	− ·02
		Z	26·0	1	·000	− ·02
					− ·003	− ·02
295	9·0	Z	24·0	1	+ ·002	·00
296	8·9	Z	26·3	2	+ ·002	− ·08
297	8·3	G	16·1	3	+ ·002	− ·12
		Z	24·0	2	− ·012	− ·12
		Ms	13·8	5	− ·001	+ ·07
					− ·001	− ·12
298	8·1	G	19·0	3	+ ·001	+ ·02
		Z	26·7	3	+ ·001	+ ·03
					+ ·001	+ ·02
300	8·9	Z	25·8	1	+ ·003	− ·07
301	8·0	G	17·0	3	− ·007	− ·04
		Z	24·0	1	+ ·002	− ·04
		Ms	27·0	5	− ·003	− ·03
					− ·004	− ·04
304	8·0	G	23·8	4	+ ·003	− ·03
		80	22·9	3	+ ·002	+ ·01
		85	15·6	4	+ ·003	+ ·01
		90	9·4	6	+ ·004	− ·02
					+ ·003	·00
306	8·5	Z	24·0	1	+ ·005	− ·07
307	8·5	Z	24·1:24·0	1:2	− ·004	− ·02
309	9·2	Z	24·6	1	− ·001	− ·07
310	9·0	Z	26·0	1	− ·008	− ·03
311	9·3	Z	27·1	1	·000	+ ·01
313	9·3	G	17·9	3	·000	− ·06
		Z	25·9	1	− ·002	− ·04
					·000	− ·06
314	8·5	Z	25·8	1	+ ·002	+ ·02
317	9·0	Z	25·9	1	+ ·004	− ·01
318	8·0	G	22·7	7	+ ·005	− ·01
		80	22·9	3	− ·002	+ ·03
		85	15·9	5	·000	+ ·03
					+ ·002	+ ·01
319	10·0	Z	24·0	1	·000	·00
320	9·3	Z	25·9	1	− ·011	− ·08
323	8·4	G	20·1	4	− ·011	− ·12
		80	22·9	3	− ·016	− ·14
		85	15·9	5	− ·011	− ·12
					− ·013	− ·13
324	8·0	Z	25·8	1	− ·006	− ·01
325	9·4	Z	24·6	1	−0·009	+0·05
		Ms	15·6	5	(+ ·031)	(+ ·38)
					− ·009	+ ·05
326	7·9	G	17·9	3	+ ·003	+ ·03
		Z	25·9	2	+ ·007	+ ·06
					+ ·004	+ ·04
327	9·0	Z	26·0	1	+ ·001	− ·04
328	9·0	Z	25·0	1	+ ·010	+ ·05
329	7·6	G	18·9	3	− ·011	− ·12
		Z	26·2	1	− ·011	− ·16
					− ·011	− ·13
330	5·5	40	59·9:63·0	8:2	− ·002	(− ·11)
		50	47·2:48·1	1:3	− ·002	+ ·01
		G	24·4	7	− ·003	− ·02
		Ms	14·9	5	·000	+ ·01
		80	22·0	3	− ·001	·00
		m	22·0	3	− ·001	− ·01
					− ·002	·00
332	9·0	Z	25·9	1	+ ·014	− ·06
333	7·0	G	22·2:21·9	4:3	− ·006	·00
		80	19·0	3	+ ·001	− ·03
					− ·002	− ·02
334	8·9	G	18·9	3	− ·010	− ·03
		Z	26·9	1	− ·009	− ·06
					− .010	− ·04
335	7·0	G	21·8	9	− ·009	− ·04
		80	18·7	3	− ·011	+ ·03
					− ·010	·00
337	9·5	Z	25·9	1	·000	− ·03
338	7·8	G	17·0	3	+ ·002	− ·12
		Z	23·9	2	+ ·003	·00
					+ ·002	− ·08
339	7·0	G	21·0	4	− ·005	− ·03
		80	19·1	3	− ·008	− ·03
					− ·006	− ·03
340	8·6	G	19·9	3	− ·006	− ·03
		Z	25·9	2	− ·003	− ·02
					− ·005	− ·03
342	8·7	Z	24·3	1	− ·003	+ ·05
345	9·1	Z	26·6	2	− ·009	− ·07
346	8·0	Z	24·8	1	− ·003	+ ·08
347	4·0	t	64·9:66·9	9:10	− ·006	+ ·02
		40	62·2:63·6	34:18	− ·005	·00
		50	46·7:47·5	2:3	− ·003	− ·01
		60	38·8	5	− ·005	·00
		M	27·9	3	− ·005	+ ·01
		G	18·5	15	− ·005	+ ·02
		Ms	21·7	5	− ·006	+ ·07
		80	22·0	3	+ ·007	+ ·02
		85	14·0	5	− ·002	+ ·14
		90	10·9	12	− ·003	+ ·04
					− ·005	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
348	7·0	G	22·5	8	−0·006	0·00
		80	19·1	3	·000	− ·02
					− ·004	− ·01
349	7·9	G	19·0	3	+ ·005	− ·05
		Z	27·1	1	− ·001	− ·05
					+ ·004	− ·05
350	8·4	G	17·9	3	− ·002	− ·01
		Z	25·9	2	− ·006	− ·01
					− ·003	− ·01
351	9·1	G	19·0	4	+ ·002	+ ·02
		Z	27·2	1	+ ·009	+ ·03
					+ ·003	+ ·02
352	9·0	G	19·0	3	+ ·054	− ·03
		Z	27·0	1	+ ·047	+ ·03
					+ ·053	− ·02
354	9·4	Z	26·4	2	− ·006	− ·01
355	7·0	t	58·0	3	+ ·010	− ·12
		40	59·9:61·0	4:1	+ ·015	− ·05
		50	45·0:45·6	2	+ ·009	− ·08
		G	19·7	5	+ ·015	− ·13
		80	19·0	3	+ ·019	− ·07
					+ ·013	− ·09
356	8·3	G	17·9	3	+ ·004	− ·06
		Z	25·8	1	+ ·002	·00
					+ ·004	− ·05
357	8·5	G	16·1	3	+ ·006	− ·02
		Z	24·0	1	+ ·002	+ ·05
					+ ·005	− ·01
358	9·2	Z	26·1	1	+ ·005	+ ·02
359	9·3	Z	26·0	2	− ·001	− ·04
360	7·0	G	22·9	4	− ·001	·00
		80	22·0	3	− ·002	+ ·04
					− ·001	+ ·02
362	8·3	Z	24·5	1	+ ·004	+ ·05
363	7·7	G	17·6	3	+ ·005	− ·09
		Z	24·5	1:2	+ ·005	− ·01
					+ ·005	− ·06
365	8·9	Z	26·9	1	− ·002	+ ·05
367	8·5	G	16·9	3	− ·008	+ ·04
		Z	24·0	1:2	·000	+ ·01
					− ·007	+ ·03
368	8·6	G	19·9	4	+ ·002	− ·08
		Z	25·9	2	+ ·003	− ·05
					+ ·002	− ·07
369	9·5	Z	26·0	1	− ·005	·00
370	9·2	Z	26·0	1	+ ·001	+ ·05
		Ms	16·0	5	− ·002	(− ·12)
					− ·001	+ ·05
372	8·0	G	16·0	3	+ ·002	+ ·06
		Z	23·9	1	+ ·003	+ ·03
					+ ·002	+ ·05
373	8·5	G	19·7	3	−0·008	−0·02
		Z	26·5	3	− ·002	·00
					− ·006	− ·01
378	9·5	Z	23·9	1	+ ·015	− ·07
380	9·0	G	18·0	3	− ·008	− ·05
		Z	26·1	2	− ·009	− ·03
					− ·008	− ·04
382	9·5	G	16·0	3	− ·006	− ·11
		Z	26·1	1	− ·010	− ·18
					− ·007	− ·12
384	8·8	G	18·8	3	+ ·010	+ ·01
		Z	26·3	2	+ ·002	·00
					+ ·008	+ ·01
385	9·2	Z	27·2	1	·000	+ ·03
387	8·7	Z	26·5	2	+ ·001	·00
388	8·8	Z	26·0	1	− ·002	+ ·10
389	7·5	G	20·8	6	+ ·011	·00
		80	19·5	3	+ ·013	+ ·01
					+ ·012	·00
390	7·5	G	16·0	3	− ·007	+ ·04
		Z	23·9	1	− ·003	+ ·03
					− ·006	+ ·04
391	8·5	G	23·7	4	− ·001	− ·01
		80	22·8	3	+ ·002	− ·03
					·000	− ·02
392	8·5	Z	24·0	1	− ·027	− ·10
393	9·0	Z	24·4	2	− ·006	− ·02
394	7·6	G	22·0	6	− ·004	− ·05
		80	23·0	3	− ·002	+ ·03
					− ·003	− ·01
395	9·5	G	15·9	2	− ·001	− ·04
		Z	25·8	1	− ·005	+ ·02
					− ·002	− ·03
399	8·3	Z	26·1	1	+ ·006	− ·03
400	8·5	G	16·0	4	+ ·004	+ ·03
		Z	24·0	1	+ ·006	+ 04
					+ ·004	+ ·03
401	9·5	Z	25·8	1	+ ·004	− ·04
403	9·0	Z	26·1	1	− ·013	− ·05
404	8·0	G	17·0	3	− ·004	− ·04
		Z	23·9	1	− ·008	+ ·03
					− ·005	− ·03
405	8·0	G	17·1	3	− ·005	+ ·03
		Z	24·0	1	− ·001	+ ·01
					− ·004	+ ·03
406	9·1	G	18·0	3	+ ·008	+ ·01
		Z	25·9	1	+ ·003	+ ·01
					+ ·007	+ ·01
409	8·2	G	18·8	3	−0·012	−0·05
		Z	26·0	1	− ·003	·00
					− ·011	− ·04
410	9·5	G	16·0	3	+ ·012	− ·13
		Z	24·0	1	·000	− ·05
					+ ·010	− ·11
411	8·0	G	24·9	5	− ·008	− ·04
		80	23·0	3	− ·003	− ·03
					− ·006	− ·03
412	8·3	G	21·9	4	− ·001	− ·09
		Z	26·6	2	− ·005	− ·03
					− ·002	− ·08
413	9·1	Z	26·6	2	− ·002	·00
416	8·6	Z	26·0	2	− ·002	+ ·01
418	7·0	t	57·9	1	− ·005	− ·01
		50	45·0:45·5	2:3	− ·006	+ ·03
		G	21·0	4	− ·003	·00
		Ms	13·0	5	− ·005	+ ·12
		80	18·8	4	+ ·001	− ·02
		m	22·0	3	− ·002	·00
					− ·004	+ ·01
421	9·5	G	16·0	4	·000	− ·09
		Z	24·0	1	+ ·001	− ·01
					·000	− ·08
422	8·1	G	19·9	5	− ·001	− ·10
		Z	26·2	1	− ·004	− ·04
					− ·001	− ·09
423	8·5	Z	25·9	1	+ ·001	− ·21
424	9·0	Z	27·0	1	− ·010	− ·06
427	7·4	G	18·1	3	+ ·001	− ·08
		Z	26·2	1	− ·008	− ·06
					·000	− ·08
429	9·3	Z	26·0	1	− ·004	+ ·01
432	8·9	Z	26·0	1	− ·002	+ ·04
433	9·5	Z	23·9	1	+ ·004	+ ·01
434	6·5	G	23·0	5	+ ·003	− ·01
		80	22·8	3	·000	+ ·04
					+ ·002	+ ·02
435	7·3	50	47·4:47·7	2:3	+ ·013	+ ·06
		G	23·9	4	+ ·009	+ ·03
		80	22·0	3	+ ·014	+ ·06
		m	17·9	3	+ ·010	+ ·03
					+ ·012	+ ·05
436	6·4	G	23·9:23·3	4:5	− ·003	− ·01
		80	23·0	3	− ·007	+ ·03
					− ·005	+ ·01
438	9·5	Z	24·0	2	+ ·001	+ ·03
		85	12·1	1:2	+ ·019	+ ·07
					+ ·001	+ ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
440	6·5	t	60·9	7	+0·006	+0·02
		40	58·9	3	...	+ ·03
		50	46·9:47·7	2	+ ·007	+ ·08
		G	20·9	5	+ ·008	− ·01
		80	20·9	3	+ ·011	+ ·07
					+ ·007	+ ·04
441	8·9	G	17·9	3	− ·009	− ·06
		Z	26·1	1	− ·015	− ·05
					− ·010	− ·06
443	8·5	Z	23·9	1	− ·006	− ·05
444	7·5	G	20·2	4	+ ·002	− ·09
		80	19·2	3	+ ·008	− ·06
					+ ·005	− ·07
446	7·0	t	58·4	3	− ·006	− ·09
		50	45·3:46·1	1:2	− ·002	− ·09
		G	20·6	4	− ·004	− ·09
		80	19·3	3	− ·006	− ·06
		m	20·4	3	− ·002	− ·09
					− ·005	− ·09
449	9·0	Z	23·9	1	− ·013	− ·07
450	8·0	G	22·9	4	− ·008	+ ·02
		80	22·0	4	− ·003	+ ·05
					− ·005	+ ·04
452	7·0	t	60·7:60·6	6	− ·002	− ·04
		40	61·9:62·9	4:2	− ·003	− ·03
		50	46·0:47·6	2	+ ·001	·00
		65	31·0	1	− ·001	− ·02
		G	22·4	6	− ·005	− ·07
		80	22·0	3	− ·008	− ·02
		90	9·4	6	− ·004	·00
					− ·003	− ·03
454	8·7	Z	24·9	1	+ ·007	− ·03
455	8·9	Z	25·0	1	+ ·006	+ ·01
458	8·5	Z	26·9	1	− ·001	+ ·03
461	7·5	G	16·3	3	+ ·003	− ·03
		Z	24·3	2	+ ·003	+ ·01
		85	12·4	1:2	+ ·012	+ ·05
					+ ·004	·00
462	9·4	Z	26·9	1	− ·002	+ ·05
463	6·5	G	22·2	5	·000	·00
		80	19·1	3	+ ·003	·00
					+ ·001	·00
464	8·5	Z	24·7	1	− ·009	·00
465	9·6	Z	25·9	1	− ·012	− ·11
466	7·1	G	23·7	6	− ·009	·00
		80	21·9	3	− ·005	+ ·08
					− ·008	+ ·04
467	8·1	G	22·8	4	+ ·001	− ·01
		80	21·9	3	− ·001	+ ·03
					·000	+ ·01
468	8·4	G	18·8	3	+ ·001	+ ·04
		Z	27·0	1	...	− ·04
					+ ·001	+ ·02
470	7·5	G	24·3	8	−0·004	−0·05
		80	22·9	4	− ·005	+ ·01
					− ·004	− ·02
471	8·0	Z	24·2	1	·000	− ·02
472	8·5	Z	24·3	3	− ·001	+ ·02
475	9·3	Z	26·1	1	+ ·004	+ ·01
476	7·2	G	24·2	5	− ·008	+ ·01
		80	21·8	3	− ·009	+ ·04
					− ·008	+ ·03
477	8·7	Z	24·0	2	+ ·007	+ ·04
479	8·8	Z	27·2	1	+ ·011	− ·01
480	9·5	Z	23·9	1	− ·004	− ·03
482	9·3	Z	26·0	1	− ·003	− ·05
483	8·5	G	18·7	4	+ ·010	− ·12
		Z	26·7	1	+ ·009	− ·07
					+ ·010	− ·11
484	4·0	t	63·6:63·9	15:17	+ ·012	+ ·15
		40	63·2:63·9	41:10	+ ·011	+ ·14
		50	48·2:48·6	2	+ ·013	+ .13
		60	40·0	2	+ ·013	+ ·14
		65	32·9	4	+ ·011	+ ·16
		M	28·9	3	+ ·012	+ ·14
		G	23·5	5	+ ·014	+ ·11
		Ms	22·5	5	+ ·010	+ ·15
		80	23·0	3	+ ·006	+ ·10
		85	15·0	2	+ ·009	+ ·19
		90	10·2	8	+ ·012	+ ·11
					+ ·011	+ ·14
485	7·4	t	61·0	3	− ·009	− ·08
		50	48·0:49·0	2:1	− ·004	− ·09
		65	30·9	3	− ·003	− ·10
		G	24·3	11	− ·008	− .08
		Ms	29·3	4	− ·012	− ·13
		80	23·0	3	− ·013	− ·05
					− ·007	− ·08
486	8·3	Z	25·8	1	+ ·006	− ·02
487	6·0	t	60·0	3	− ·008	·00
		40	60·4	9	− ·002	...
		50	46·9:47·7	2	− ·004	− ·02
		G	24.3	6	− ·004	·00
		80	22·0	3	− ·004	− ·01
		m	24·0	3	− ·002	+ ·02
					− ·004	·00
488	8·0	G	20·4	3	− ·007	− ·04
		Z	24·1	3	− ·007	− ·03
		Ms	14·5	5	− ·001	(+ ·12)
					− ·006	− ·04
489	9·0	G	16·0	3	− ·006	− ·04
		Z	23·9	1	− ·001	− ·03
					− ·005	− ·04
490	8·3	G	25·2	5	+ ·010	− ·07
		80	22·8	3	+ ·010	− ·03
					+ ·010	− ·05
491	8·6	Z	24·4	3	− ·011	− ·04
492	8·5	Z	25·9	1	− ·004	+ ·03
495	8·4	G	17·9	3	−0·010	+0·17
		Z	26·1	1	− ·016	+ ·13
					− ·011	+ ·16
498	8·6	G	17·8	4:3	− ·002	− ·10
		Z	25·8	1	+ ·002	+ ·02
					− ·001	− ·08
499	8·3	Z	26·8	1	− ·001	+ ·04
501	9·3	Z	25·9	1	− ·001	+ ·03
502	8·5	G	16·0	3	+ ·015	− ·08
		Z	23·9	1	+ ·008	·00
					+ ·014	− ·06
504	7·8	t	58·0:57·8	6:7	+ ·015	+ ·08
		50	46·6:47·6	2	+ ·007	+ ·10
		65	30·9	2	+ ·006	+ ·08
		G	22·3	5	+ ·004	+ ·07
		80	22·0	3	+ ·004	+ ·12
		m	23·9	3:4	+ ·004	+ ·10
					+ ·009	+ ·09
505	9·0	G	16·1	3	+ ·008	+ ·01
		Z	23·6	3	− ·008	+ ·02
					+ ·003	+ ·01
507	8·8	G	18·8	3	− ·002	− ·06
		Z	26·8	1	+ ·002	+ ·01
					− ·001	− ·05
508	8·3	G	24·6	8	+ ·001	− ·05
		80	23·0	4	+ ·001	− ·01
					+ ·001	− ·03
510	9·0	Z	23·6	3	− ·012	− ·06
511	7·5	G	17·0	3	·000	− ·11
		Z	24·0	1	+ ·006	+ ·07
		Ms	15·1	5	+ ·012	+ ·09
					+ ·002	·00
512	8·0	Z	24·4	1	− ·002	− ·10
514	8·0	Z	23·8	2	− ·003	− ·05
515	8·7	Z	26·0	1	− ·006	+ ·03
516	7·0	t	60·7	3	− ·005	·00
		50	47·7:48·4	2	− ·006	+ ·03
		G	25·2	8	− ·010	+ ·03
		80	22·8	3	− ·008	+ ·03
					− ·007	+ ·02
517	8·8	G	16·0	3	·000	− ·05
		Z	23·5	2	− ·010	+ ·09
					− ·002	·00
519	9·3	Z	28·0	1	− ·004	− ·11
520	8·3	Z	26·0	1	− ·009	− ·07
522	7·3	t	58·0:57·7	6:8	+ ·001	− ·02
		50	46·9:47·6	2	·000	+ ·01
		G	21·9	4	·000	·00
		80	22·0	3	·000	+ ·02
					+ ·001	− ·01
524	9·0	G	17·0	3	·000	+ ·06
		Z	24·9	1	− ·004	+ ·06
					− ·001	+ ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
526	7·0	t	58·2	3	−0·012	−0·04
		5o	45·2:45·8	2	− ·008	− ·02
		G	20·2	4	− ·005	− ·05
		8o	19·2	3	− ·009	− ·03
		m	22·2	3	− ·008	− ·04
		9o	6·4	6	− ·017	− ·02
					− ·009	− ·03
528	8·3	G	22·0	5	− ·003	+ ·02
		8o	21·9	3	− ·005	+ ·10
					− ·004	+ ·07
529	8·3	Z	26·1	1	+ ·004	− ·01
531	8·9	Z	26·1	1	− ·010	− ·12
534	8·8	G	18·9	4	+ ·005	− ·08
		Z	27·1	1	− ·010	− ·11
					+ ·002	− ·08
535	7·1	G	22·5	7	− ·003	− ·02
		8o	23·0	4	·000	+ ·01
					− ·002	·00
536	8·8	G	17·7	5	+ ·002	− ·06
		Z	25·9	1	+ ·002	+ ·06
					+ ·002	− ·05
538	9·4	G	17·9	3	+ ·002	− ·03
		Z	25·9	1	+ ·002	+ ·06
					+ ·002	− ·01
539	8·8	G	16·0	4	·000	− ·12
		Z	23·5	3	− ·005	− ·05
					− ·002	− ·11
540	9·1	G	17·9	3	− ·034	− ·04
		Z	26·0	1	− ·019	+ ·02
					− ·032	− ·03
542	7·1	t	60·8	3	− ·008	− ·02
		4o	59·8	2	...	− ·03
		5o	48·0:48·6	2	− ·003	·00
		G	22·3	5	− ·006	− ·06
		Ms	18·9	5	− ·005	− ·05
		8o	22·9	3	− ·002	·00
		9o	11·6	4	− ·003	− ·04
					− ·005	− ·02
543	8·0	G	16·5	4	+ ·009	− ·06
		Z	23·9	2	·000	+ ·01
					+ ·007	− ·05
547	9·4	G	17·9	3	+ ·002	− ·07
		Z	26·1	1	− ·013	− ·07
					·000	− ·07
548	8·0	G	17·0	3	− ·002	+ ·01
		Z	23·5	2	− ·006	− ·02
					− ·003	·00
550	9·3	G	17·8	3	+ ·004	− ·11
		Z	25·9	1	− ·002	− ·01
					+ ·003	− ·09
553	10·0	G	14·1	3	+ ·003	− ·03
554	9·0	Z	26·0	1	+ ·005	+ ·01
555	8·6	Z	27·1	1	− ·008	− ·04
557	8·4	t	61·0	4:3	+0·001	+0·02
		G	21·6	5	+ ·010	− ·02
		8o	23·0	3	+ ·006	+ ·02
					+ ·004	+ ·01
558	8·4	Z	27·2	1	− ·004	− ·07
559	8·5	G	17·8	3	+ ·002	− ·12
		Z	25·9	1	·000	− ·02
					+ ·002	− ·10
561	9·0	Z	23·5	3	− ·001	+ ·08
562	8·5	G	18·0	4	·000	− ·06
		Z	26·1	1	·000	·00
					·000	− ·05
563	9·2	G	17·8	3:4	− ·008	− ·08
		Z	26·0	1	− ·019	− ·09
		85	13·9	1	− ·005	− ·09
					− ·009	− ·08
564	6·0	t	60·9	3	− ·003	− ·04
		4o	59·9:59·8	1:3	+ ·003	− ·02
		5o	47·9:48·6	2	+ ·003	− ·02
		G	23·8	4	+ ·005	− ·02
		Ms	20·2	5	− ·001	− ·10
		8o	23·9	3	·000	·00
		m	23·8	3:4	+ ·010	− ·01
		9o	3·8	3	+ ·003	− ·08
					+ ·002	− ·03
566	8·1	G	20·8	5	+ ·001	− ·01
		Ms	14·5	5	− ·008	− ·05
		8o	19·8	3	− ·003	− ·01
					− ·001	− ·02
567	7·5	G	21·2	5	+ ·003	− ·09
		8o	20·0	3	− ·004	− ·08
					+ ·001	− ·08
568	9·2	G	18·9	3	·000	− ·12
		Z	27·1	1	− ·006	− ·10
					− ·001	− ·12
569	8·4	G	21·9	4	− ·003	+ ·02
		Z	27·2	1	− ·003	− ·06
					− ·003	+ ·01
571	6·5	t	58·2	3	− ·003	+ ·01
		5o	45·2:45·9	3:2	·000	+ ·04
		65	29·2	3	+ ·003	+ ·04
		G	20·4	4	·000	+ ·07
		8o	19·2	4	− ·007	+ ·05
					− ·001	+ ·03
572	7·2	G	20·8	5	− ·007	− ·02
		Z	24·9	1	− ·005	+ ·01
					− ·007	− ·02
574	9·0	G	18·9	4	+ ·004	− ·04
		Z	27·2	1	− ·003	− ·05
		85	15·0	1	+ ·003	− ·03
					+ ·003	− ·04
575	8·8	Z	24·7	1	− ·002	− ·04
		Ms	31·2	5	− ·003	− ·01
					− 003	− ·01
576	7·9	G	18·9	3	− ·005	− ·03
		Z	25·9	1	+ ·002	·00
					− ·004	− ·02
577	8·5	G	16·8	3	0·000	−0·07
		Z	24·2	2	− ·003	− ·01
					− ·001	− ·05
578	7·5	G	23·9	5	− ·009	− ·05
		8o	21·9	3	·000	·00
					− ·006	− ·02
580	8·6	Z	27·1	1	− ·004	− ·15
583	8·0	G	19·0	3	+ ·003	− ·03
		Z	26·0	2	·000	+ ·02
		Ms	15·9	5	+ ·004	+ ·06
					+ ·003	+ ·02
584	9·2	Z	25·9	1	− ·002	− ·02
585	9·1	Z	26·9	1	− ·001	− ·09
587	6·0	t	61·8	3	+ ·007	+ ·04
		4o	59·9	2	+ ·012	+ ·05
		5o	47·9:48·7	2	+ ·012	+ ·08
		G	23·3	4	+ ·011	+ ·03
		8o	23·0	3	+ ·017	+ ·04
					+ ·011	+ ·05
589	8·9	Z	25·8	1	− ·004	+ ·01
592	6·5	t	61·5:63·1	2:4	·000	− ·03
		4o	57·4	3	− ·001	...
		5o	45·4:46·1	2	·000	− ·02
		G	20·2	5	+ ·004	− ·07
		Ms	15·3	5	− ·012	− ·10
		8o	19·4	3	+ ·001	− ·05
					·000	− ·04
594	8·4	Z	24·9	2	+ ·003	+ ·01
595	8·8	Z	26·0	1	− ·011	− ·05
596	8·0	G	22·9	4	− ·002	− ·07
		8o	22·9	3	·000	− ·01
					− ·001	− ·03
597	8·0	Z	24·7	1	·000	− ·02
		Ms	15·7	5	− ·004	− ·06
					− ·002	− ·05
598	8·0	t	59·9	5	− ·010	− ·04
		G	20·1	4	− ·006	− ·05
		8o	21·8	4	− ·010	− ·06
					− ·009	− ·04
599	9·2	Z	26·0	1	+ ·005	+ ·05
603	9·5	Z	24·2	1	− ·005	− ·07
607	4·5	t	60·0	6	− ·013	− ·10
		4o	61·2:60·4	8:5	− ·011	− ·09
		5o	47·1:47·6	2	− ·012	− ·11
		6o	38·9	3:5	− ·009	− ·08
		65	31·1	7	− ·010	− ·10
		G	24·0	6	− ·012	− ·06
		Ms	19·6	5	− ·022	− ·10
		8o	21·9	3	− ·009	− ·06
		m	17·9	3	− ·013	− ·10
		85	13·9	1	+ ·012	− ·09
		9o	6·4	12	− ·020	− ·08
					− ·011	− ·09
608	9·4	G	18·7	4	+ ·002	− ·05
		Z	26·7	1	·000	− ·04
					+ ·002	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
609	5·5	t	65·0:64·8	6:9	−0·008	−0·07
		40	60·2	5	− ·006	− ·04
		50	45·2:45·7	3:2	− ·006	− ·05
		60	37·0	1	− ·001	− ·05
		65	30·0:29·7	2:3	− ·006	− ·04
		M	27·0	3	− ·004	− ·04
		G	18·9	7	− ·003	− ·06
		Ms	17·2	5	− ·014	− ·09
		80	19·0	3	− ·011	− ·05
		90	9·4:9·3	8:7	− ·009	− ·03
					− ·006	− ·05
610	8·0	G	19·9	4	·000	− ·04
		Z	26·1	1	+ ·004	+ ·01
					·000	− 03
612	8·5	Z	24·3	1	+ ·002	− ·03
614	9·4	G	17·9	4	+ ·005	− ·03
		Z	25·9	1	+ ·001	·00
					+ ·004	− ·03
616	9·0	Z	24·0	1	+ ·015	− ·27
619	9·4	G	18·0	3	+ ·009	− ·02
		Z	25·9	1	+ ·003	+ ·02
					+ ·008	− ·01
621	9·1	Z	27·2	1	− ·004	− ·02
622	6·5	G	24·9	5	− ·002	+ ·01
		80	22·9	3	·000	+ ·01
					− ·001	+ ·01
624	8·8	G	17·9	3	+ ·009	+ ·01
		Z	26·0	1	·000	·00
					+ ·007	+ ·01
625	8·0	G	20·0	4	− ·001	− ·09
		80	19·0	3	+ ·002	− ·05
					·000	− ·07
626	8·5	Z	27·2	1	+ ·015	− ·25
628	8·9	Z	24·9	1	− ·007	+ ·02
629	5·0	t	60·8:60·5	2:3	+ ·008	+ ·02
		40	61·5:61·3	5	+ ·009	·00
		50	46·6:47·4	2:3	+ ·011	+ ·02
		G	24·0	4	+ ·004	+ ·03
		Ms	19·5	5	+ ·003	− ·03
		80	22·0	3	+ ·012	+ ·06
					+ ·009	+ ·02
630	8·0	G	20·4	4	− ·002	− ·04
		Ms	15·2	5	− ·007	+ ·07
		80	19·2	3	− ·008	+ ·02
					− ·005	+ ·01
631	9·3	Z	27·0	1	− ·001	− ·05
632	7·0	t	61·2:61·9	2:4	+ ·007	− ·01
		40	56·6	2	+ ·001	...
		50	45·2:45·7	2	+ ·004	− ·02
		G	20·2	5	+ ·001	− ·09
		Ms	15·0	5	− ·003	− ·07
		80	19·0	3	+ ·003	− ·04
		m	16·0	3	− ·004	− ·09
					+ ·002	− ·03
635	7·5	G	20·3	5	− ·002	− ·06
		80	19·0	3	− ·005	− ·03
					− ·003	− ·04
636	9·6	Z	26·0	1	−0·001	−0·02
637	9·2	Z	25·9	1	+ ·008	+ ·04
638	8·3	Z	26·0	1	+ ·002	+ ·02
		Ms	16·0	5	+ ·009	+ ·14
					+ ·006	+ ·12
640	9·1	G	19·2	4	− ·001	− ·21
		Z	26·8	1	+ ·003	− ·16
		85	15·0	2	+ ·007	− ·21
					+ ·001	− ·21
642	6·0	t	63·4:63·3	4:5	− ·003	− ·12
		40	58·0	1	− ·004	− ·11
		50	46·1:46·6	2	− ·011	− ·13
		65	30·0	2	− ·007	− ·12
		G	23·2:23·0	5:4	− ·010	− ·05
		80	20·0	3	− ·020	− ·09
		90	2·1	3	− ·043	+ ·05
					− ·007	− ·11
644	8·7	G	17·9	3	·000	− ·02
		Z	25·9	3	− ·007	+ ·02
					− ·002	− ·01
645	7·8	G	19·9	3	+ ·022	− ·02
		Z	27·0	2	+ ·015	− ·01
					+ ·021	− ·02
647	7·0	G	20·2	4	+ ·035	− ·46
		80	19·0	4	+ ·034	− ·42
					+ ·034	− ·44
648	9·0	G	20·3	5	− ·004	− ·05
		Z	24·9	1	− ·004	·00
					− ·004	− ·04
650	8·5	G	22·0	5	+ ·004	− ·09
		80	20·8	3	+ ·005	− ·07
					+ ·004	− ·08
652	5·7	t	64·5:62·7	8:7	− ·003	− ·08
		40	62·1:62·9	10:2	− ·004	− ·05
		50	47·1:48·1	2	− ·003	− ·04
		60	38·9	4	− ·006	− ·05
		M	30·7:29·9	4:3	− ·005	− ·02
		G	22·8	5	− ·001	− ·05
		Ms	18·3	4	− ·008	− ·04
		80	21·9	3	− ·007	− ·06
					− ·004	− ·05
653	8·0	G	21·0	3	+ ·004	+ ·02
		Z	26·9	3	− ·003	+ ·05
					+ ·002	+ ·03
655	7·9	G	21·2	7	+ ·001	− ·02
		80	22·0	3	− ·003	·00
					·000	− ·01
656	7·8	G	20·3	5	− ·005	− ·06
		Ms	14·0	4	(− ·024)	− ·03
		80	19·0	3	− ·006	− ·02
					− ·006	− ·03
657	7·0	G	21·7	4	− ·008	− ·03
		Z	26·8	2	− ·009	+ ·03
					− ·008	− ·02
658	8·4	G	20·0	3	+ ·001	+ ·01
		Z	26·9	1	+ ·005	− ·06
					+ ·002	·00
659	8·3	G	19·7	4	+0·007	−0·05
		Z	27·0	2	+ ·008	+ ·04
					+ ·007	− ·03
660	8·5	Z	24·0	1	+ ·014	− ·06
662	9·3	Z	25·9	1	·000	− ·01
663	9·2	G	16·6	3	·000	− ·06
		Z	24·5	1	− ·004	+ ·03
					− ·001	− ·04
665	8·5	G	17·9	3	+ ·001	+ ·02
		Z	25·8	1	+ ·002	+ ·01
					+ ·001	+ ·02
666	9·1	G	18·9	2	+ ·013	+ ·11
		Z	26·0	3	+ ·007	+ ·15
					+ ·010	+ ·12
667	9·5	G	15·9	3	+ ·001	− ·11
		Z	23·9	1	− ·001	+ ·03
					+ ·001	− ·08
668	9·3	G	18·7	3	+ ·002	− ·09
		Z	26·7	2	− ·001	− ·09
					+ ·001	− ·09
669	8·8	G	21·0	3	+ ·007	− ·05
		Z	26·9	3	− ·001	− ·02
					+ ·004	− ·04
671	8·9	G	16·8	4	+ ·001	− ·01
		Z	24·7	1	·000	+ ·05
					+ ·001	·00
672	8·7	G	16·9	3	+ ·013	− ·04
		Z	24·9	1	+ ·001	− ·01
					+ ·011	− ·03
673	8·0	t	61·6	4	·000	+ ·04
		G	24·0	4	+ ·002	+ ·02
		80	23·0	4	+ ·003	+ ·06
					+ ·001	+ ·04
674	8·5	Z	24·1	1	+ ·006	+ ·02
675	8·0	G	19·7	3	− ·005	− ·02
		Z	26·8	2	− ·006	− ·10
					− ·005	− ·05
676	7·5	G	20·7	5	− ·001	− ·02
		80	19·3	3	− ·003	− ·01
					− ·002	− ·01
677	9·6	Z	25·9	1	− ·004	+ ·03
680	9·0	Z	26·0	1	− ·008	− ·05
682	9·3	Z	26·9	2	− ·006	− ·02
683	8·5	G	18·8	3	·000	− ·03
		Z	26·7	1	+ ·008	+ ·06
					+ ·001	− ·01
684	9·3	Z	26·9	1	− ·009	− ·09
685	6·5	t	61·1:62·4	2:4	− ·003	− ·05
		40	57·0	1	− ·003	...
		50	45·1:45·7	2	− ·004	− ·02
		65	29·0	3	− ·004	− ·02
		G	21·0	4	− ·005	− ·02
		80	19·0	3	− ·006	− ·01
		m	20·0	3	− ·009	− ·01
					− ·004	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
686	9·4	G	17·8	4	+0·006	−0·10
		Z	25·9	2	+ ·004	− ·03
					+ ·006	− ·09
687	9·1	Z	26·8	2	− ·001	− ·11
690	8·8	G	18·0	3	− ·011	− ·10
		Z	25·9	1	− ·010	+ ·04
					− ·011	− ·07
693	8·6	G	19·9	6	+ ·005	− ·01
		8o	19·4	3	·000	− ·01
					+ ·003	− ·01
694	7·5	G	21·5	4	+ ·001	− ·07
		8o	22·1	3	+ ·006	− ·04
					+ ·003	− ·05
695	6·5	t	62·3	2:4	+ ·002	− ·03
		4o	57·6	2	+ ·003	...
		5o	45·7:46·3	2	+ ·002	− ·02
		G	20·8	4	+ ·002	− ·03
		8o	19·6	3	+ ·001	− ·09
		m	20·6	3	− ·002	− ·03
					+ ·002	− ·03
697	8·0	G	18·8	3	+ ·004	+ ·02
		Z	26·6	1	+ ·003	− ·11
					+ ·004	− ·01
698	6·5	t	62·8:63·5	2:4	+ ·008	− ·02
		4o	58·9:58·8	1:2	− ·001	− ·04
		5o	46·8:47·5	2	+ ·001	+ ·01
		G	21·0	5	+ ·005	− ·02
		8o	20·8	3	·000	− ·01
		m	23·1	4	− ·003	− ·03
					+ ·002	− ·02
700	8·3	Z	26·0	1	− ·012	·00
701	6·5	t	59·5:58·7	6:7	+ ·229	+ ·67
		G	22·9:23·1	6:5	+ ·221	+ ·61
		8o	22·9	4	+ ·218	+ ·67
					+ ·226	+ ·66
703	9·5	G	15·9	5	·000	− ·08
		Z	24·0	1	+ ·003	− ·03
					·000	− ·07
705	8·8	Z	26·9	1	− ·003	+ ·09
706	8·5	Z	26·0	1	+ ·010	+ ·05
707	9·5	Z	24·0	1	+ ·001	+ ·04
		Ms	15·0	5	− ·008	− ·06
					− ·004	− ·04
708	9·0	Z	26·7	1	+ ·004	+ ·05
709	9·0	Z	24·2	1	+ ·001	− ·02
711	7·5	G	24·3	5	− ·006	− ·11
		8o	21·9	3	− ·008	− ·02
					− ·007	− ·06
713	8·1	Z	26·0	2	− ·004	+ ·03
714	9·0	Z	23·5	1	− ·006	− ·22
715	9·0	Z	24·2	1	·000	− ·02
719	8·8	G	19·8	3	+ ·005	− ·13
		Z	26·7	1	+ ·001	− ·03
					+ ·004	− ·11
721	8·5	G	19·0	3	−0·003	−0·14
		Z	25·9	1	− ·003	− ·03
					− ·003	− ·12
724	9·3	G	16·4	3	·000	− ·05
		Z	24·3	2	− ·007	− ·01
					− ·001	− ·04
725	8·6	Z	26·0	2	+ ·006	+ ·04
727	9·0	Z	24·6	1	·000	+ ·10
728	7·0	t	60·4:60·1	4:3	+ ·002	+ ·02
		G	21·2	4	·000	− ·02
		8o	19·2	3	− ·005	+ ·06
					·000	+ ·02
729	8·9	G	19·7	3	+ ·003	+ ·07
		Z	26·7	2	+ ·008	+ ·06
					+ ·004	+ ·07
730	8·8	G	17·9	3	− ·001	− ·03
		Z	25·9	1	− ·005	− ·07
					− ·002	− ·04
731	7·5	G	21·9	3:4	− ·007	− ·05
		Z	26·8	1	·000	− ·03
					− ·006	− ·05
732	9·3	G	16·7	3	+ ·003	− ·11
		Z	24·7	1	− ·002	+ ·04
					+ ·002	− ·08
734	9·3	Z	25·9	1	− ·008	− ·01
735	7·5	G	20·8	4	− ·002	− ·03
		8o	19·5	3	+ ·006	− ·02
					+ ·002	− ·02
736	8·0	G	20·6	4	+ ·004	+ ·03
		8o	19·5	3	− ·004	+ ·06
					·000	+ ·05
738	9·0	G	18·6	4	− ·006	− ·20
		Z	26·6	1	− ·003	− ·12
					− ·006	− ·19
741	9·3	G	16·7	3	+ ·002	− ·01
		Z	24·7	1	+ ·001	− ·02
					+ ·002	− ·01
742	8·8	G	18·3	4	+ ·002	+ ·02
		Z	26·0	1	− ·001	− ·03
					+ ·002	+ ·01
744	8·9	G	18·0	3	+ ·007	− ·06
		Z	25·9	1	− ·003	− ·07
					+ ·006	− ·06
746	8·5	Z	23·9	1	− ·002	+ ·03
		Ms	13·9	5	+ ·006	+ ·04
					+ ·002	+ ·04
747	9·0	Z	26·0	1	− ·013	− ·03
		8o	19·9	3	− ·017	+ ·02
					− ·016	+ ·02
748	8·7	G	18·9	3	+ ·006	− ·06
		Z	26·8	1	− ·008	− ·02
					+ ·004	− ·05
750	8·0	G	18·8	4	−0·006	−0·02
		Z	26·7	1	·000	·00
					− ·005	− ·02
753	9·0	Z	24·1	1	− ·003	+ ·12
754	8·0	t	58·0	8	− ·001	− ·01
		4o	62·1:63·0	3:2	− ·002	+ ·04
		G	22·7	4	− ·004	+ ·02
		8o	21·0	3	− ·009	+ ·03
					− ·002	+ ·01
755	8·1	Z	25·9	1	+ ·005	+ ·12
756	7·3	G	23·0	4	+ ·001	·00
		Ms	15·7	5	+ ·011	− ·11
		8o	22·8	3	·000	− ·06
					+ ·001	− ·05
760	9·3	Z	26·0	1	− ·005	+ ·06
762	8·3	G	18·7	3	− ·005	− ·02
		8o	20·6	3	− ·008	·00
					− ·006	− ·01
763	9·5	Z	26·0	1	− ·016	− ·07
765	9·3	Z	24·9	1	·000	− ·02
766	6·8	t	62·1:62·6	4	+ ·010	+ ·06
		4o	57·6	1	+ ·003	...
		5o	45·6:46·9	2:1	+ ·003	+ ·07
		6s	29·6	3	+ ·008	+ ·04
		G	19·1:18·8	7:6	+ ·008	+ ·05
		Ms	19·5	5	− ·003	+ ·11
		8o	19·6	3	+ ·001	+ ·03
		m	16·6	3	·000	+ ·04
					+ ·006	+ ·05
768	7·6	G	23·1	5	·000	− ·02
		8o	22·9	3	− ·004	+ ·07
					− ·001	+ ·03
769	9·2	Z	26·0	2	− ·006	− ·01
771	9·0	Z	24·0	1	− ·010	+ ·04
774	6·0	t	60·7	3	− ·006	+ ·06
		4o	59·8:59·6	1	− ·018	+ ·05
		5o	47·7:48·4	2	+ ·003	+ ·08
		G	22·9	5	− ·001	+ ·06
		Ms	20·6	5	·000	+ ·03
		8o	22·7	4	− ·004	+ ·12
					− ·005	+ ·07
775	9·0	G	18·0	3	− ·001	− ·04
		Z	26·0	1	·000	− ·01
					− ·001	− ·03
776	9·1	G	18·0	3	− ·003	− ·02
		Z	25·9	1	− ·007	+ ·03
					− ·004	− ·01
777	8·8	G	18·8	3	− ·001	+ ·01
		Z	26·6	1	− ·008	− ·05
					− ·002	·00
779	8·8	G	17·9	3	− ·002	− ·02
		Z	26·0	2	+ ·004	+ ·05
		Ms	15·9	5	− ·008	− ·01
					− ·002	·00

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
780	6·0	t	61·2:62·2	3:4	+0·022	+0·11
		40	57·2	4	+·021	...
		50	45·2:45·9	2	+·018	+·12
		G	21·1	4	+·022	+·11
		Ms	15·2	5	+·032	+·20
		80	19·2	3	+·015	+·10
					+·022	+·12
781	7·5	t	58·9	3	+·002	+·01
		G	21·5	5	+·005	+·01
		80	20·0	3	+·005	+·06
					+·003	+·02
784	9·0	Z	26·6	1	+·004	+·01
785	8·8	G	19·0	3	+·006	−·05
		Z	26·8	1	−·009	−·10
					+·004	−·06
789	8·0	G	16·3	3	+·001	+·01
		Z	24·2	1	−·001	+·03
					+·001	+·01
790	9·3	Z	26·0	1	−·007	+·07
791	8·8	Z	26·0	1	+·006	−·01
794	7·5	G	24·2	4	−·007	−·04
		80	22·0	3	−·003	+·04
					−·005	+·01
795	4·0	t	64·5:65·3	19:16	−·001	−·04
		40	61·6	15	·000	...
		60	39·7	6:7	·000	·00
		M	29·6	3	−·002	−·01
		G	19·5	13	−·001	−·01
		Ms	20·1	5	−·008	−04
		80	22·7	3	·000	−·02
		85	14·8	3	+·003	−·01
		90	10·2	12	−·005	+·01
					−·001	−·02
797	9·5	Z	24·0	1	−·001	+·05
798	8·0	G	20·7	5	−·004	−·10
		80	19·6	3	−·005	−·05
					−·004	−·07
800	8·6	G	16·0	3	−·002	−·04
		Z	26·0	1	+·007	−·01
					−·001	−·03
801	9·5	Z	25·5	2	+·009	+·08
802	7·8	t	59·1	2	−·001	−·06
		G	20·6	5	+·002	−·05
		80	19·2	3	−·004	·00
					·000	−·04
803	8·8	G	18·1	3	+·004	−·07
		Z	25·5	2	+·001	+·02
					+·003	−·04
804	9·2	Z	26·6	2	+·010	+·13
805	8·0	G	21·0	5	+·008	−·09
		80	19·8	3	+·006	−·08
					+·007	−·08
809	8·9	G	18·9	4	+·013	+·13
		Z	26·8	1	+·013	+·19
					+·013	+·14
810	9·8	Z	25·9	1	−0·009	+0·05
811	9·0	Z	23·5	2	·000	−·02
812	8·8	G	18·8	3	+·001	+·02
		Z	26·6	2	−·005	−·02
					·000	+·01
813	9·2	Z	24·6	3	−·002	+·04
814	8·7	G	19·0	3	−·006	+·04
		Z	26·9	1	−·002	−·04
					−·005	+·02
817	8·3	G	26·0	3:4	+·002	−·02
		Z	25·9	1	−·007	+·05
					+·001	−·01
820	9·6	Z	24·9	1	−·003	+·02
822	8·9	G	16·4	3	+·001	−·02
		Z	23·8	2	−·001	−·01
					+·001	−·02
823	7·7	t	60·6	4	−·008	−·03
		50	47·0:47·7	2	−·009	−·04
		60	38·9	5	−·006	−·02
		65	31·9	1	−·011	+·01
		G	22·9	4	−·005	−·02
		Ms	16·9	5	−·004	+·02
		80	22·0	4	−·009	·00
		90	11·1	6	−·008	−·01
					−·007	−·02
826	9·5	G	18·8	3	−·001	−·12
		Z	26·8	1	−·007	−·06
					−·002	−·11
829	9·0	G	23·7	·5	−·007	−·03
		80	22·7	3	−·008	+·04
					−·007	−·02
831	9·5	G	16·0	3	+·002	−·05
		Z	24·0	1	−·007	+·06
		Ms	15·0	5	+·021	−·03
					+·004	−·03
832	7·8	G	18·9	3	−·005	−·06
		Z	26·9	1	−·004	−·07
					−·005	−06
833	9·3	Z	25·7	1	−·004	+·09
834	9·0	Z	26·9	2	·000	·00
835	6·5	t	61·3	3	−·007	−·01
		40	59·8	1	−·001	...
		50	47·7:48·4	3:2	−·003	−·03
		65	31·7	3	+·004	−·05
		G	25·2	7	−·001	−·04
		80	22·7	3	−·002	−·04
					−·002	−·03
837	8·8	Z	25·4	2	+·004	−·29
838	7·0	G	22·6	9	−·005	−·06
		Ms	14·2	5	−·010	+·05
		80	19·3	3	−·004	−·01
					−·005	−·02
839	9·2	G	16·5	3	+·005	·00
		Z	24·6	1	−·002	+·02
					+·004	·00
842	8·8	Z	24·9	1	−0·002	−0·02
844	8·3	G	18·9	3	+·001	−·05
		Z	26·8	1	−·007	+·04
					·000	−·03
846	8·0	G	24·3	6	−·005	·00
		80	21·9	3	·000	+·02
					−·003	+·01
847	8·3	G	16·9	3	−·010	−·04
		Z	26·8	1	−·008	−·04
					−·010	−·04
848	9·3	Z	25·9	1	+·002	+·12
850	9·5	Z	23·2	1	−·004	−·02
851	8·8	Z	23·9	1	+·006	·00
852	8·4	G	19·7	3	+·002	−·14
		Z	24·7	2	+·001	−·06
					+·002	−·11
855	8·8	Z	25·9	1	−·008	+·01
856	7·0	G	21·0	5	+·008	+·02
		80	19·6	3	+·004	+·04
					+·007	+·03
857	7·0	G	22·5	3	−·004	·00
		80	19·6	3	−·002	−·01
					−·003	−·01
861	8·3	Z	25·0	1	−·004	−·02
862	8·5	G	21·3	5	−·002	−·02
		80	20·9	3	−·009	−·02
					−·004	−·02
863	9·0	Z	24·2	2	+·002	·00
864	8·0	G	23·0	4	−·001	−·04
		80	22·7	3	−·005	·00
					−·003	−·02
865	5·0	t	65·5:66·0	5	+·008	−·07
		50	46·2:46·7	2	+·002	−·03
		60	38·0	3:4	+·005	−·02
		M	26·9	3	+·006	−·10
		G	20·4	6	+·006	−·05
		Ms	18·3	5	+·008	−·16
		80	19·9	3	−·003	−·06
					+·005	−·06
869	4·5	t	64·2:65·2	5:4	+·006	−·03
		40	59·7:61·7	2:11	+·007	−·03
		50	45·5:45·7	2:3	+·007	−·03
		60	37·2	5	+·010	−·03
		M	27·2	3	+·010	−·11
		G	20·2	5	+·013	−·04
		Ms	20·2	5	+·023	+·04
		80	19·2	3	+·010	−·05
		85	12·3	1	+·009	+·04
		90	2·5	10	−·004	−·12
					+·009	−·04
870	7·6	G	20·0	4	−·003	−·09
		80	19·9	3	−·005	+·03
					−·004	−·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
872	9·0	Z	26·0	1	+0·007	+0·02
874	9·0	Z	25·0	1	− ·007	+ ·05
877	8·5	Z	26·7	1	+ ·032	+ ·17
879	7·9	G	18·9	3:2	·000	+ ·08
		Z	25·9	1	+ ·003	+ ·07
					·000	+ ·08
880	8·0	G	18·7	5	·000	− ·04
		80	19·2	3	− ·004	+ ·01
					− ·001	− ·01
881	9·1	Z	25·5	2	·000	·00
883	9·3	G	18·0	3	− ·001	− ·06
		Z	26·0	1	+ ·002	+ ·03
					− ·001	− ·04
884	5·5	t	60·8	3	+ ·027	+ ·21
		50	47·3:48·3	2:3	+ ·034	+ ·23
		G	23·3	4	+ ·033	+ ·20
		80	22·8	3	+ ·030	+ ·25
					+ ·030	+ ·22
885	9·0	G	16·9	3	+ ·008	− ·05
		80	19·9	3	+ ·009	+ ·02
					+ ·008	− ·01
886	7·5	G	23·2	4	− ·002	− ·04
		80	23·0	3	− ·005	·00
					− ·003	− ·02
888	6·5	t	61·6:63·2	3:4	+ ·003	+ ·01
		40	57·6:57·5	1	− ·002	+ ·05
		50	45·8:46·3	2	− ·005	+ ·01
		G	20·5	1	+ ·007	+ ·10
		80	19·6	3	− ·003	− ·02
					− ·001	+ ·01
889	7·7	G	20·7	8	− ·009	− ·05
		80	22·0	3	− ·013	− ·03
					− ·010	− ·04
890	8·8	Z	26·8	1	+ ·003	− ·05
891	9·1	Z	26·0	2	+ ·001	− ·47
892	9·0	Z	24·9	2	·000	− ·01
893	9·2	G	17·0	3	·000	− ·05
895	8·7	G	16·7	3	+ ·006	·00
		Z	24·5	1	+ ·003	+ ·04
					+ ·006	+ ·01
896	8·4	G	16·6	3	+ ·001	− ·05
		Z	24·0	2	− ·006	·00
					·000	− ·03
898	8·3	G	17·9	3	+ ·005	− ·07
		Z	26·0	1	+ ·006	− ·05
					+ ·005	− ·07
899	8·0	G	19·8	3	− ·007	− ·06
		Z	26·7	1	− ·009	− ·09
					− ·007	− ·07
901	7·0	t	60·9	3	− ·003	− ·03
		40	58·9	1	− ·003	...
		50	47·3:47·7	2	− ·003	− ·04
		G	24·0	4	− ·003	− ·09
		80	22·0	3	− ·005	·00
					− ·003	− ·03
902	7·0	t	59·9:59·6	2:3	−0·001	−0·09
		40	61·2:62·0	4:1	+ ·003	− ·09
		50	45·9:47·2	2:3	− ·002	− ·06
		60	37·9	2	+ ·001	− ·01
		65	31·0	1:2	− ·006	− ·07
		G	21·9	4	+ ·002	− ·06
		80	20·0	3	− ·005	− ·05
		m	22·9	3	− ·010	− ·07
					·000	− ·06
903	8·4	Z	25·0	1	− ·002	·00
904	8·1	G	23·2:23·1	5:6	+ ·004	+ ·01
		80	19·8	3	+ ·010	+ ·03
					+ ·006	+ ·02
905	9·3	Z	26·9	1	− ·004	+ ·03
906	9·0	Z	26·8	1	·000	+ ·03
907	8·5	Z	26·0	1	+ ·003	− ·01
908	9·1	Z	26·0	1	+ ·004	+ ·03
909	8·0	G	21·0	4	+ ·005	− ·01
		Ms	13·0	5	+ ·021	− ·03
		80	19·1	3	− ·001	− ·05
					+ ·002	− ·03
913	8·5	G	18·7	3	·000	− ·07
		Z	26·7	1	− ·008	− ·06
		Ms	16·6	5	− ·004	− ·09
					− ·001	− ·08
914	8·9	Z	23·9	1	− ·001	− ·09
915	8·3	G	19·9	3	− ·001	− ·13
		Z	26·9	1	+ ·001	− ·05
					− ·001	− ·11
916	9·1	G	19·0	3	+ ·003	+ ·01
		Z	26·9	1	− ·002	+ ·10
					+ ·002	+ ·03
919	9·0	G	17·9	3	+ ·007	− ·05
		Z	24·9	1	− ·003	+ ·01
					+ ·006	− ·04
920	8·5	Z	26·7	1	+ ·002	+ ·07
921	8·8	G	18·8	3	− ·007	− ·02
		Z	26·7	2	− ·006	+ ·03
					− ·007	·00
922	7·9	50	47·1:47·7	2	+ ·003	− ·03
		65	31·0	3	+ ·001	− ·03
		G	23·5	6	·000	− ·03
		80	22·0	3	·000	+ ·01
		m	23·6	3	− ·001	− ·01
					+ ·001	− ·02
923	7·3	G	24·3	7	− ·008	− ·02
		80	22·0	3	− ·002	·00
					− ·006	− ·01
924	9·3	Z	25·9	1	− ·011	− ·03
926	8·8	G	17·0	3	+ ·001	− ·06
		Z	24·9	1	·000	+ ·01
		Ms	14·9	5	− ·004	− ·07
					·000	− ·06
927	6·7	t	62·6:63·6	3:4	+0·008	−0·01
		40	58·0	3	+ ·004	...
		50	46·2:46·7	2	·000	− ·01
		G	22·0	4	+ ·006	·00
		80	20·0	3	+ ·007	+ ·02
					+ ·005	− ·01
928	9·3	Z	26·6	1	+ ·002	− ·06
929	8·2	G	22·2	4	+ ·002	− ·30
		80	20·9	3	− ·006	− ·23
					− ·002	− ·26
931	8·8	G	16·2	3	− ·003	− ·11
		Z	23·2	1	− ·002	− ·07
					− ·003	− ·10
932	7·0	G	23·3	7	− ·005	+ ·02
		Ms	13·7	5	+ ·011	− ·01
		80	19·8	3	− ·003	− ·01
		90	8·1	6	− ·001	+ ·07
					− ·003	+ ·01
933	8·4	Z	26·7	1	− ·003	− ·14
934	8·2	G	22·0	5	+ ·002	− ·01
		80	22·0	3	− ·002	+ ·03
					+ ·001	+ ·01
935	8·9	Z	26·8	1	·000	+ ·06
		80	22·9	3	− ·009	+ ·07
					− ·008	+ ·07
936	8·8	Z	26·8	2	− ·006	+ ·04
937	9·3	Z	25·9	:	− 002	+ ·04
939	7·0	G	25·2	7	+ ·003	− ·08
		80	22·8	4	+ ·001	− ·07
					+ ·002	− ·07
940	8·5	G	16·0	3	+ ·004	+ ·02
		Z	23·0	1	− ·004	+ ·03
					+ ·003	+ ·02
941	6·5	t	59·1	4	+ ·002	− ·05
		40	61·2	6:3	+ ·002	− ·03
		50	45·4:45·7	2:4	+ ·003	− ·03
		65	29·2	1	·000	+ ·01
		G	22·9	8	− ·001	− ·02
		80	19·2	3	− ·001	− ·02
					+ ·002	− ·03
942	9·3	G	17·9	3	+ ·004	− ·04
		Z	26·0	1	·000	+ ·02
					+ ·003	− ·03
944	8·5	G	16·9	4	+ ·004	− ·03
		80	19·0	2	− ·006	+ ·01
					+ ·001	− ·01
945	8·3	G	21·5:21·6	4	+ ·003	− ·02
		80	19·5:19·6	3	− ·005	+ ·01
					− ·001	·00
946	8·0	G	22·1	4	+ ·011	+ ·02
		80	22·0	3	+ ·004	+ ·05
					+ ·007	+ ·04
947	9·3	G	17·9	3	+ ·004	− ·07
		Z	25·5	1	+ ·008	− ·04
					+ ·005	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
948	8·2	G	16·8	4	−0·001	−0·04
		Z	24·2	2	− ·005	+ ·02
					− ·002	− ·03
950	8·3	G	20·0	3	− ·007	− ·19
		Z	26·9	1	+ ·002	− ·26
					− ·006	− ·20
952	6·5	G	25·3	4	+ ·002	− ·03
		8o	23·0	3	− ·007	+ ·02
					− ·002	·00
957	8·9	Z	26·0	1	− ·003	− ·07
958	8·0	G	19·6	3	+ ·001	+ ·03
		Z	26·6	2	+ ·002	− ·03
					+ ·001	+ ·01
959	8·5	G	16·0	3	− ·004	+ ·01
		Z	23·0	1	− ·002	·00
					− ·004	+ ·01
960	8·5	G	25·2	4	− ·003	+ ·02
		Ms	15·7	4	+ ·015	− ·04
		8o	22·8	3	·000	+ ·01
					·000	·00
964	8·3	G	19·6	3	+ ·002	− ·03
		Z	26·6	1	− ·005	+ ·05
					+ ·001	− ·01
966	9·0	G	17·9	3	+ ·003	− ·03
		Z	25·9	1	− ·005	+ ·11
		Ms	16·8	5	− ·002	+ ·05
					+ ·001	+ ·02
967	8·6	Z	26·0	2	− ·008	·00
968	8·5	G	16·1	3	+ ·010	+ ·04
		Z	23·0	1	+ ·002	·00
					+ ·009	+ ·03
969	8·7	G	17·6	4	+ ·011	− ·06
		Z	25·7	1	+ ·008	+ ·01
					+ ·011	− ·05
971	8·5	Z	26·6	1	+ ·006	− ·05
975	9·1	G	18·0	3	− ·002	− ·08
		Z	26·0	1	− ·007	+ ·01
					− ·003	− ·06
976	7·0	G	24·4	4	+ ·002	− ·15
		Ms	17·0	5	+ ·005	− ·16
		8o	21·0	3	+ ·003	− ·14
					+ ·003	− ·15
977	8·3	G	16·2	3	+ ·002	− ·08
		Z	24·1	2	− ·006	− ·05
					·000	− ·07
979	8·4	Z	26·6	1	− ·005	− ·01
982	7·2	t	58·9	3	− ·004	− ·01
		G	19·1	5	+ ·002	− ·06
		Ms	13·9	5	·000	− ·05
		8o	19·3	3	− ·003	− ·04
		90	1·0	3	+ ·069	·00
					− ·002	− ·03
983	8·0	Z	25·6	1	+ ·013	+ ·05
985	8·3	G	18·0	4	−0·006	−0·05
		Z	24·0	1	+ ·001	− ·01
					− ·005	− ·05
986	8·0	G	18·0	3	·000	− ·03
		Z	26·0	1	·000	− ·03
					·000	− ·03
993	9·0	G	18·7	3	+ ·004	+ ·04
		Z	26·7	2	+ ·008	+ ·05
					+ ·005	+ ·04
994	9·2	G	17·9	2	+ ·006	− ·01
		Z	25·4	2	+ ·006	+ ·02
					+ ·006	·00
995	7·5	t	60·0	3	− ·011	+ ·01
		5o	47·0	2	− ·004	...
		G	21·0	4	− ·009	− ·06
		8o	22·0	3	− ·010	+ ·01
					− ·009	·00
996	8·3	G	16·9	3	− ·001	+ ·07
		Z	23·9	2	+ ·005	+ ·06
					·000	+ ·07
997	8·8	Z	26·0	1	− ·013	− ·01
998	9·0	Z	24·4	1	+ ·011	− ·02
999	8·3	G	19·6	3	+ ·006	− ·01
		Z	26·6	1	+ ·009	+ ·07
					+ ·006	+ ·01
1000	7·0	40	59·9:60·7	3:4	+ ·002	− ·01
		5o	46·7:47·1	2:3	+ ·001	− ·03
		G	24·1	7	·000	− ·05
		Ms	14·6	5	+ ·019	− ·01
		8o	22·0	3	− ·002	+ ·02
		m	21·7	4	·000	·00
		90	10·1	12	+ ·007	·00
					+ ·001	− ·01
1002	8·3	G	24·7	6	− ·002	− ·05
		Ms	15·9	6	− ·001	− ·03
		8o	21·3	3	− ·003	− ·07
					− ·002	− ·05
1005	9·0	Z	24·0	1	+ ·003	·00
		Ms	24·5	6	+ ·004	+ ·05
					+ ·004	+ ·05
1006	9·2	G	18·0	4	− ·001	+ ·12
		Z	26·0	2	− ·003	+ ·10
					− ·001	+ ·12
1007	7·5	G	19·6	3	− ·006	− ·01
		8o	21·7	3	− ·010	+ ·04
					− ·008	+ ·02
1010	7·5	t	61·8	5	+ ·007	+ ·07
		5o	48·1:48·6	2	+ ·009	+ ·11
		65	31·9	3	+ ·010	+ ·06
		G	22·9	5	+ ·006	+ ·05
		8o	22·9	4	+ ·004	+ ·10
					+ ·008	+ ·08
1011	7·5	G	20·2	4	− ·001	+ ·02
		8o	19·3	3	− ·001	+ ·01
					− ·001	+ ·01
1012	9·2	G	17·9	4	+0·004	−0·04
		Z	24·9	1	− ·002	− ·01
					+ ·003	− ·04
1014	9·1	Z	26·6	1	− ·006	+ ·18
1015	8·3	G	16·2	4	+ ·004	− ·06
		Z	23·9	2	− ·002	− ·03
					+ ·003	− ·05
1016	7·8	Z	26·9	1	− ·012	− ·18
1017	8·8	Z	26·9	1	− ·002	+ ·06
1018	8·3	G	16·0	4	+ ·001	− ·09
		Z	23·5	2	− ·009	− ·02
					− ·001	− ·08
1021	9·2	G	17·6	3	+ ·001	·00
		Z	25·1	2	− ·002	+ ·10
					·000	+ ·03
1023	8·4	Z	26·0	1	− ·003	− ·10
1024	8·0	G	21·7	4	− ·002	− ·01
		Z	26·7	2	+ ·002	+ ·04
					− ·001	·00
1025	8·3	G	17·0	4	+ ·003	− ·07
		Z	23·5	2	+ ·004	− ·02
					+ ·003	− ·06
1026	7·5	G	18·7	5	+ ·005	− ·05
		Z	24·0	2	+ ·003	·00
					+ ·005	− ·04
1027	9·0	Z	26·0	1	+ ·009	− ·07
1028	8·6	Z	25·4	2	− ·002	+ ·01
1029	8·5	Z	26·7	1	+ ·029	− ·07
1030	8·2	Z	25·7	1	+ ·008	− ·03
1031	9·0	Z	23·0	1	− ·002	+ ·03
1032	9·2	Z	26·9	1	+ ·002	+ ·08
1033	8·5	G	18·0	3	− ·007	− ·06
		Z	26·0	1	− ·007	− ·04
					− ·007	− ·06
1034	9·3	Z	26·9	1	− ·004	− ·04
1036	9·0	Z	23·0	1	− ·001	− ·03
1037	8·7	G	18·0	4	+ ·004	− ·08
		Z	25·0	1	+ ·002	− ·02
					+ ·004	− ·07
1038	7·8	G	23·2	4	+ ·008	+ ·03
		8o	23·0	3	+ ·005	− ·01
					+ ·007	+ ·01
1039	8·8	Z	23·5	2	·000	− ·03
1040	6·5	t	60·6:60·1	12:15	− ·001	− ·03
		5o	48·2:48·5	2:3	+ ·001	− ·03
		65	30·9	2	+ ·006	− ·04
		G	24·9	4	+ ·004	− ·03
		8o	23·2	4	·000	− ·01
		m	19·9	3	+ ·002	+ ·01
					+ ·001	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
1041	9·4	Z	25·7	1	−0·001	+0·04
1042	9·0	Z	24·4	2	+ ·004	+ ·10
1046	7·1	G	20·7	5	+ ·003	+ ·03
		80	19·0	3	− ·003	+ ·01
					+ ·001	+ ·02
1048	6·5	t	61·7:61·8	7	+ ·008	− ·03
		40	60·0:61·3	7:3	+ ·008	− ·01
		50	46·8:47·4	2	+ ·008	− ·03
		G	24·0	5	+ ·007	·00
		80	20·6	3	+ ·008	·00
		85	15·2	12	+ ·010	·00
					+ ·008	− ·02
1049	8·1	t	60·0	3	− ·010	− ·07
		G	22·2	6	− ·003	− ·04
		80	22·2	4	− ·008	− ·06
					− ·007	− ·06
1050	9·5	Z	26·0	1	+ ·002	− ·03
1051	8·1	G	18·6	4	− ·005	+ ·03
		Z	23·9	4	·000	+ ·01
					− ·003	+ ·02
1053	7·8	G	20·9	8	− ·011	− ·08
		80	22·3	3	− ·013	− ·07
					− ·012	− ·07
1054	7·0	t	58·0	3	− ·007	− ·02
		40	61·0	4:2	− ·003	·00
		G	20·2	4	− ·002	·00
		80	18·9	3	+ ·001	− ·03
					− ·004	− ·01
1055	8·0	G	18·7	3	+ ·008	+ ·03
		Z	26·7	1	+ ·006	− ·01
					+ ·008	+ ·02
1056	8·0	G	22·9:22·7	4:5	+ ·005	− ·02
		80	22·9	3	− ·001	+ ·02
					+ ·003	·00
1057	8·2	Z	26·9	1	+ ·005	+ ·01
1058	8·0	G	17·7	3	+ ·004	− ·03
		Z	25·7	1	+ ·002	+ ·10
					+ ·004	·00
1059	8·4	G	18·0	4	+ ·003	− ·01
		Z	25·9	1	− ·002	+ ·12
					+ ·002	·00
1060	7·5	G	17·8	5	− ·003	− ·05
		Ms	13·9	5	− ·009	+ ·05
		80	18·6	3	− ·004	− ·02
					− ·004	− ·02
1061	8·5	Z	26·6	1	− ·005	− ·03
1062	8·1	G	16·9	3	+ ·001	+ ·01
		Z	23·5	4	·000	− ·03
					+ ·001	− ·01
1064	8·1	G	22·5	4	+ ·002	− ·02
		80	21·0	3	− ·009	+ ·03
					− ·003	+ ·01
1066	8·0	t	58·6	5	−0·005	+0·01
		G	21·2	5	·000	·00
		Ms	28·4	5	− ·001	+ ·04
		80	19·5	3	− ·004	+ ·03
					− ·003	+ ·01
1067	7·6	G	17·0	6	− ·001	− ·06
		80	19·3	3	− ·004	+ ·01
					− ·002	− ·02
1068	7·5	G	25·2	5	− ·001	+ ·04
		80	22·8	3	− ·004	+ ·06
					− ·002	+ ·05
1069	9·0	G	18·7	5	·000	− ·15
		Z	26·7	1	− ·001	− ·09
					·000	− ·14
1070	8·0	G	19·0	3	− ·006	− ·06
		Z	24·0	1	·000	+ ·07
					− ·005	− ·03
1072	8·9	Z	26·0	1	− ·005	− ·03
1073	8·8	Z	23·5	2	− ·002	+ ·01
1076	8·2	G	17·7	4	− ·013	− ·05
		Z	24·0	3	− ·012	+ ·02
		Ms	29·8	6	− ·009	+ ·01
					− ·011	− ·01
1077	8·0	G	18·3	3	− ·006	+ ·01
		Z	24·4	1	+ ·002	− ·03
					− ·005	·00
1078	8·9	Z	26·6	1	·000	+ ·03
1079	6·5	t	61·7	3	− ·003	+ ·07
		40	58·8:59·7	3:1	− ·002	+ ·01
		50	47·8:48·3	2:3	− ·004	+ ·02
		G	25·1	7	− ·003	+ ·01
		80	23·4	3	+ ·001	+ ·03
					− ·002	+ ·03
1080	8·7	Z	26·0	1	+ ·002	+ ·05
1081	9·0	G	16·0	3	− ·001	− ·06
		Z	23·0	1	− ·010	·00
					− ·002	− ·05
1082	8·3	G	23·9	5	+ ·007	+ ·01
		80	23·3	3	+ ·002	+ ·05
					+ ·005	+ ·03
1083	8·3	G	16·4	3	+ ·005	− ·05
		Z	23·5	2	+ ·001	− ·07
					+ ·004	− ·06
1084	8·5	G	16·3	3	+ ·006	− ·03
		Z	23·7	2	− ·002	− ·01
					+ ·004	− ·02
1086	8·3	G	22·6	5	− ·009	− ·01
		80	23·4	3	− ·006	− ·02
					− ·008	− ·02
1087	4·5	t	63·2:62·5	15	+ ·277	+ ·74
		40	58·8:59·9	15:10	+ ·277	+ ·75
		50	45·2	2	+ ·278	...
		60	37·0	7	+ ·275	+ ·75
		M	27·9	3	+ ·278	+ ·75
		G	21·0	7	+ ·275	+ ·73
		80	19·0	3	+ ·271	+ ·74
		85	13·3	14	+ ·278	+ ·75
		90	9·0	11	+ ·271	+ ·76
					+ ·277	+ ·74
1088	8·7	Z	26·0	1	+0·007	+0·11
1090	9·0	Z	26·7	2	+ ·004	− ·02
1091	8·9	G	17·9	3	+ ·005	− ·02
		Z	26·0	1	+ ·008	+ ·01
					+ ·005	− ·01
1092	8·2	G	21·6	4	− ·008	+ ·02
		80	23·2	4	− ·012	+ ·09
					− ·010	+ ·06
1093	9·1	Z	26·9	1	− ·001	·00
1094	9·5	Z	23·0	1	− ·013	− ·03
1095	8·3	Z	25·7	1	− ·005	+ ·04
1098	8·8	G	16·0	3	+ ·006	− ·09
		Z	24·0	2	− ·005	− ·05
					+ ·004	− ·08
1100	6·5	t	61·8	3	+ ·003	− ·04
		G	25·4	6	− ·001	− ·06
		80	23·2	3	·000	− ·06
					+ ·001	− ·05
1102	7·3	G	23·7	8	− ·005	− ·08
		80	22·3	3	− ·001	− ·10
		90	6·9	6	+ ·003	− ·17
					− ·004	− ·09
1105	8·0	G	18·9	3	+ ·001	− ·02
		Z	25·9	1	− ·001	− ·03
		Ms	15·8	5	+ ·003	·00
					+ ·001	− ·01
1107	8·0	t	58·4:58·6	4:5	− ·005	·00
		G	21·1	4	+ ·002	+ ·01
		80	19·2	5	− ·007	− ·05
					− ·005	− ·01
1110	8·3	G	20·0	3	+ ·007	− ·07
		Z	26·0	1	+ ·001	+ ·02
		Ms	16·9	5	·000	+ ·04
					+ ·005	− ·01
1111	7·5	G	22·9	6:7	+ ·005	− ·04
		Ms	14·3	5	+ ·008	− ·17
		80	19·7	3	+ ·009	− ·04
					+ ·006	− ·06
1112	8·6	Z	27·0	1	·000	+ ·04
1113	9·2	G	16·9	3	+ ·010	− ·05
		Z	24·9	1	+ ·003	− ·02
					+ ·009	− ·04
1115	7·3	t	59·5	4	− ·006	− ·04
		G	21·6	5	− ·002	·00
		80	19·3	6	− ·007	− ·03
					− ·005	− ·03
1118	7·8	G	18·6	6	+ ·002	− ·02
		Z	25·7	1	+ ·012	+ ·04
					+ ·003	− ·02
1119	8·1	G	19·9	3	− ·006	− ·03
		80	22·0	3	− ·008	·00
					− ·007	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
1120	8·3	G	18·7	4	+0·003	−0·02
		Z	26·0	1	+ ·001	+ ·02
					+ ·003	− ·02
1122	6·5	t	60·7	2	− ·006	+ ·01
		50	47·9:48·5	3	+ ·001	+ ·02
		65	31·7	3	− ·001	+ ·03
		G	25·3	5	− ·003	+ ·02
		80	23·3	3	− ·007	+ ·06
		m	22·7	3	− ·005	+ ·08
					− ·002	+ ·03
1123	8·2	Z	26·9	1	·000	·00
1124	9·3	G	17·9	3	+ ·003	− ·02
		Z	25·9	1	− ·001	+ ·12
					+ ·002	+ ·01
1125	9·0	G	19·9	1	− ·004	− ·07
1126	8·6	Z	27·0	1	+ ·004	+ ·02
1127	9·5	Z	25·7	1	+ ·003	+ ·02
1128	8·2	G	20·7	4	+ ·001	+ ·02
		80	19·7	3	+ ·001	+ ·01
					+ ·001	+ ·01
1129	8·8	Z	24·0	1	− ·003	− ·01
1130	8·6	Z	24·6	1	+ ·002	+ ·06
1132	9·0	G	23·5	1	− ·005	− ·11
		Z	24·4	1	− ·007	+ ·07
					− ·006	− ·05
1134	8·8	G	18·8	3	+ ·024	− ·02
		Z	26·8	1	+ ·024	+ ·09
					+ ·024	·00
1136	7·5	G	22·6	8:7	− ·005	− ·06
		80	19·3	3	+ ·002	− ·04
		90	7·6	3	− ·001	− ·12
					− ·003	− ·05
1138	8·0	G	19·9	3	+ ·001	− ·08
		Z	26·7	4	+ ·005	− ·08
					+ ·002	− ·08
1139	7·3	t	61·0:61·1	12:8	+ ·002	+ ·01
		40	58·7:58·9	3:2	+ ·002	+ ·02
		50	47·0:47·5	2:3	+ ·005	+ ·05
		65	29·9	1	+ ·004	+ ·03
		G	24·4	6	+ ·003	− ·02
		80	20·9	3	− ·006	− ·04
					+ ·002	+ ·02
1140	7·9	G	18·7	3	+ ·001	− ·04
		Z	25·8	1	− ·003	+ ·04
					·000	− ·02
1141	9·0	Z	26·0	1	+ ·003	− ·04
1142	9·0	G	16·0	2	+ ·003	+ ·15
		Z	23·1	1	·000	+ ·15
					+ ·002	+ ·15
1143	9·0	Z	26·8	1	+ ·003	− ·04
1145	9·3	Z	26·4	2	+ ·007	+ ·03
1148	7·2	G	22·2	6	− ·007	− ·06
		80	19·3	3	− ·010	− ·06
					− ·008	− ·06
1150	8·5	G	19·3	4	−0·009	−0·22
		Z	24·2	2	− ·007	− ·16
					− ·009	− ·21
1151	9·0	Z	25·7	2	+ ·004	+ ·03
		Ms	15·6	4	+ ·008	+ ·01
					+ ·006	+ ·02
1153	6·0	t	60·9	3	+ ·004	·00
		40	61·7:62·0	3:4	+ ·008	·00
		50	47·2:47·7	4:2	+ ·011	·00
		G	24·6	5	+ ·004	·00
		80	22·9	3	+ ·005	+ ·05
		m	18·9	3	+ ·003	− ·02
					+ ·007	·00
1155	8·3	G	19·0	3	·000	− ·14
		Z	25·6	3	− ·003	− ·09
					− ·001	− ·12
1156	8·7	G	18·0	3	+ ·004	− ·04
		Z	25·9	1	+ ·002	+ ·01
					+ ·004	− ·03
1158	9·5	Z	23·0	1	+ ·002	− ·03
1160	8·2	G	20·5	4	− ·003	− ·04
		Z	25·7	2	− ·002	+ ·05
					− ·003	− ·02
1161	8·8	Z	25·5	1	− ·008	− ·13
1162	7·5	G	20·0	3	− ·003	− ·06
		Z	26·4	4	− ·001	+ ·02
					− ·002	− ·02
1165	9·0	Z	24·5	2	− ·006	− ·02
1166	9·0	Z	24·1:24·2	1	− ·005	− ·03
1167	6·0	t	61 8:61·9	3	+ ·001	+ ·08
		40	61·2:62·0	5:4	+ ·007	+ ·08
		50	48·2:48·5	2:3	+ ·008	+ ·08
		65	31·9	4	+ ·007	+ ·08
		G	25·4	4	+ ·004	+ ·09
		80	23·6	3	+ ·001	+ ·13
		90	7·2	12	+ ·007	+ ·11
					+ ·006	+ ·08
1168	9·0	Z	26·0	1	+ ·007	+ ·02
1169	8·4	G	20·9	4	− ·001	− ·01
		Z	25·5	3	− ·004	+ ·05
					− ·002	·00
1170	8·4	G	19·5	3	+ ·004	·00
		Z	25·5	2	·000	+ ·01
					+ ·003	·00
1171	9·0	Z	23·5	2	·000	− ·01
1173	7·5	G	20·9	4	+ ·001	+ ·06
		80	19·6	3	− ·008	·00
					− ·003	+ ·02
1175	7·8	G	20·3	4	·000	− ·04
		Z	25·4	2	+ ·005	+ ·01
					+ ·001	− ·03
1176	8·3	G	17·0	6	+ ·001	− ·05
		Z	23·9	2	− ·009	− ·01
					·000	− ·04
1180	8·0	G	23·0	4	+0·007	+0·02
		80	23·2	3	+ ·005	+ ·02
					+ ·006	+ ·02
1181	7·1	t	64·1:64·3	4	+ ·003	·00
		40	58·6:58·5	3:1	·000	·00
		50	46·8:47·4	2	+ ·002	+ ·04
		65	30·1	2	·000	− ·03
		G	24·0	6	− ·002	+ ·01
		80	21·0	3	− ·003	− ·01
					+ ·001	+ ·01
1183	8·8	G	18·0	3	+ ·001	+ ·03
		Z	26·0	1	+ ·001	+ ·04
					+ ·001	+ ·03
1184	8·3	G	18·9	3	+ ·003	+ ·05
		Z	25·4	2	− ·002	+ ·04
					+ ·002	+ ·05
1185	9·5	Z	23·9	1	− ·006	− ·06
1186	8·6	Z	25·2	1	− ·003	− ·23
1188	4·8	t	64·2:64·8	10:14	·000	− ·02
		40	58·4:59·2	7:2	− ·003	− ·04
		50	45·5:46·0	3:2	− ·002	− ·10
		60	37·2	10	− ·005	− ·03
		M	27·2	3	− ·003	− ·05
		G	21·2	5	+ ·001	− ·01
		Ms	17·8	5	− ·004	+ ·05
		80	19·6	3	− ·007	− ·04
		90	7·3	12	− ·010	+ ·01
					− ·003	− ·04
1189	8·5	Z	23·9	2	+ ·004	− ·06
		Ms	27·7	5	− ·002	− ·02
					− ·001	− ·03
1190	8·4	G	18·0	3	− ·009	− ·06
		Z	25·9	2	− ·005	+ ·02
					− ·008	− ·03
1191	8·0	G	21·8	4	+ ·004	− ·05
		80	23·2	3	+ ·001	+ ·02
					+ ·002	− ·01
1192	8·8	G	16·9	4	+ ·005	− ·02
		Z	24·1	3	+ ·004	− ·05
					+ ·005	− ·03
1194	9·4	Z	25·3	1	− ·005	− ·04
1198	8·0	G	18·6	3	+ ·001	− ·06
		Z	25·8	3	− ·004	− ·02
					− ·001	− ·05
1200	9·4	Z	26·0	1	− ·012	+ ·01
1202	8·0	G	22·1	10	+ ·002	− ·10
		Ms	15·6	5	+ ·006	− ·06
		80	22·3	3	− ·004	− ·04
					+ ·001	− ·07
1205	8·5	G	17·4	3	− ·003	− ·17
		Z	24·1	3	− ·007	− ·15
					− ·004	− ·16
1207	8·5	G	18·7	6	− ·002	·00
		80	19·1	3	− ·007	+ ·06
					− ·004	+ ·03
1209	8·5	Z	23·7	2	+ ·001	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
1212	7·3	t	61·5:62·0	3:4	0·000	−0·03
		40	56·9	2	...	− ·02
		50	45·2:45·7	2	− ·002	·00
		65	29·0	3	− ·003	− ·02
		G	22·1	8:7	− ·006	− ·05
		80	18·3	3	− ·013	− ·02
					− ·003	− ·02
1213	8·9	G	17·8	3	+ ·009	+ ·01
		Z	25·3	3	+ ·004	+ ·03
					+ ·007	+ ·02
1214	8·1	G	20·2	7	− ·006	− ·05
		80	19·8	3	− ·008	− ·05
					− ·007	− ·05
1215	9·0	Z	25·0	1	− ·008	+ ·01
1216	8·3	G	19·9	3	+ ·005	− ·09
		Z	26·0	1	+ ·001	+ ·02
					+ ·004	− ·07
1217	8·5	Z	24·2	1	− ·002	− ·04
1218	9·0	Z	24·4	2	− ·007	+ ·02
1219	6·8	G	24·6	5	− ·003	+ ·02
		80	23·1	3	− ·005	+ ·10
					− ·004	+ ·07
1220	7·5	G	24·4	6	− ·003	− ·12
		Z	26·4	2	·000	− ·07
					− ·003	− ·11
1221	6·7	t	60·9	3:2	− ·007	·00
		50	47·2:47·5	1:3	− ·010	+ ·01
		65	29·9	2:3	− ·011	− ·04
		G	23·4	8	− ·009	− ·01
		80	22·5	3	− ·009	+ ·01
					− ·009	·00
1222	9·4	Z	25·1	2	− ·001	+ ·04
1223	8·0	G	23·0	5	+ ·003	− ·03
		80	22·7	3	− ·004	+ ·03
					+ ·001	+ ·01
1224	9·5	G	18·0	4	− ·004	− ·09
		Z	23·9	1	·000	− ·08
					− ·003	− ·09
1225	8·0	Z	25·8	1	− ·005	+ ·08
1226	8·3	G	18·4	4	+ ·001	+ ·02
		Z	25·2	1	− ·011	·00
					− ·001	+ ·02
1228	7·0	G	25·0	5	+ ·012	+ ·51
		80	23·0	3	+ ·012	+ ·49
					+ ·012	+ ·50
1230	9·6	Z	24·3	1	− ·002	− ·03
1232	6·5	t	59·3:59·4	3	+ ·004	− ·11
		50	45·5:46·0	2:3	+ ·001	− ·08
		G	22·5	5	− ·001	− ·08
		80	19·7:19·8	3	− ·006	− ·13
					+ ·001	− ·10
1233	7·7	G	17·3	3	− ·001	− ·02
		Z	24·3	1	·000	− ·02
					− ·001	− ·02
1234	7·3	G	20·4	4	+0·002	−0·03
		80	19·5	3	− ·005	− ·05
					− ·001	− ·04
1235	9·1	Z	25·4	2	+ ·002	+ ·06
1236	8·7	G	17·6	4	+ ·006	+ ·07
		Z	24·8	2	+ ·001	+ ·09
					+ ·005	+ ·07
1238	6·8	t	59·4:60·5	8:6	+ ·002	− ·09
		G	23·2	6	− ·002	− ·12
		80	22·4	3	− ·002	− ·06
					+ ·001	− ·09
1239	5·8	t	60·2	3	− ·003	·00
		40	58·4:58·3	1:4	− ·003	− ·03
		50	46·3:47·0	2	− ·004	− ·04
		G	23·3	4	− ·002	·00
		Ms	18·2	5	− ·009	− ·04
		80	21·7	3	− ·004	− ·03
					− ·003	− ·02
1241	8·0	Z	25·4	1	− ·014	− ·03
1242	9·4	Z	26·0	1	− ·004	+ ·02
1244	9·0	Z	23·9	1	+ ·002	+ ·05
1245	9·4	G	16·4	3	− ·004	− ·06
		Z	24·4	1	− ·010	·00
					− ·005	− ·05
1246	9·5	G	17·3	2	+ ·004	− ·12
		Z	24·3	1	+ ·011	− ·02
					+ ·006	− ·10
1248	9·1	G	16·4	3	− ·001	− ·13
		Z	24·4	2	− ·009	− ·07
					− ·003	− ·11
1249	8·2	G	18·6	3	+ ·003	− ·10
		Z	26·0	2	+ ·004	+ ·03
					+ ·003	− ·06
1250	9·8	Z	24·3	1	− ·002	− ·05
1253	8·8	G	18·0	3	+ ·007	+ ·04
		Z	25·4	2	− ·004	+ ·07
					+ ·005	+ ·05
1254	8·5	Z	25·3	1	·000	+ ·09
1255	8·0	G	22·6	4	+ ·002	− ·01
		80	22·4	3	− ·001	+ ·03
					·000	+ ·01
1256	9·0	G	18·8	7	+ ·003	− ·01
		Z	25·1	2	+ ·002	+ ·07
					+ ·003	·00
1257	8·8	Z	23·5	2	− ·002	− ·01
1258	7·0	G	21·0	4	+ ·010	+ ·02
		80	19·7	3	+ ·008	+ ·01
					+ ·009	+ ·01
1259	8·5	G	18·4	4	+ ·005	− ·02
		Z	25·2	1	− ·001	·00
					+ ·004	− ·02
1260	8·8	Z	25·4	1	+ ·002	+ ·03
1262	9·0	G	17·1	3	+0·010	+0·04
		Z	24·0	1	+ ·009	+ ·06
					+ ·010	+ ·04
1263	8·5	G	18·0	3	+ ·002	− ·04
		Z	25·5	2	+ ·002	·00
					+ ·002	− ·03
1264	9·0	Z	25·3	4	− ·009	+ ·01
1265	9·3	Z	23·5	2	− ·007	− ·05
1267	7·2	t	59·7:59·6	4:3	− ·006	− ·05
		50	46·2	2	− ·003	...
		65	28·9	1:2	− ·004	− ·13
		M	30·6	3	− ·003	− ·01
		G	21·1	4:5	− ·005	− ·01
		80	20·3	3	− ·007	·00
					− ·004	− ·04
1268	9·0	G	18·7	3	+ ·006	+ ·01
		Z	25·6	1	− ·004	+ ·05
					+ ·005	+ ·02
1269	8·5	Z	24·0	1	− ·008	− 05
1270	9·1	Z	25·9	1	+ ·003	− ·02
1271	7·0	G	23·9	7	− ·002	+ ·01
		80	21·6	3	− ·001	+ ·02
					− ·002	+ ·01
1272	8·5	G	16·0	3	+ ·019	+ ·59
		Z	23·5	2	+ ·011	+ ·55
					+ ·017	+ ·58
1273	9·4	Z	24·6	1	+ ·001	+ ·07
1274	9·2	G	17·1	3	+ ·007	− ·04
		Z	25·0	2	− ·002	+ ·03
					+ ·005	− ·02
1275	8·6	G	18·2	3	+ ·004	− ·07
		Z	25·0	1	− ·003	− ·09
					+ ·003	− ·07
1276	8·0	G	17·4	4	− ·001	− ·04
		Z	24·0	2	− ·005	− ·01
					− ·002	− ·03
1278	8·1	Z	26·2	2	− ·001	+ ·02
1280	9·3	G	18·0	3	+ ·004	− ·03
		Z	24·9	1	− ·002	+ ·01
					+ ·003	− ·02
1281	7·5	G	23·7	5	+ ·001	+ ·03
		80	21·7	3	− ·008	+ ·07
					− ·002	+ ·05
1282	8·3	t	60·6	3	− ·003	+ ·01
		G	22·5	4	·000	+ ·04
		80	22·0	3	− ·005	− ·02
					− ·003	+ ·01
1283	8·8	G	17·4	4	·000	− ·02
		Z	25·4	1	− ·003	− ·05
					·000	− ·02
1284	8·3	Z	25·4	4	− ·004	·00

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
1285	8·0	G	20·7	5	−0·004	−0·08
		8o	22·8	3	− ·002	·00
					− ·003	− ·03
1286	8·3	G	18·0	3	− ·002	− ·06
		Z	23·5	2	− ·006	− ·03
					− ·003	− ·05
1288	9·5	Z	24·6	1	− ·001	+ ·07
1291	7·3	t	59·0	3	− ·001	+ ·04
		5o	45·2:45·8	2	− ·002	+ ·07
		G	22·3	6	− ·002	+ ·08
		8o	19·4	3	− ·003	+ ·05
					− ·002	+ ·06
1292	7·3	t	60·0	3	+ ·001	− ·04
		4o	58·1:58·0	1	− ·001	− ·03
		5o	46·1:46·8	2	+ ·004	− ·06
		G	22·3	7	+ ·003	− ·05
		8o	20·9	7	·000	− ·06
					+ ·001	− ·05
1293	7·5	G	17·2	3	− ·003	− ·05
		Z	24·2	1	− ·002	+ ·02
					− ·003	− ·04
1294	9·4	Z	24·2	1	+ ·001	− ·02
1295	6·0	t	62·7	4	+ ·001	− ·04
		4o	57·0	1	− ·004	− ·02
		5o	45·0:45·7	2	+ ·001	− ·01
		G	19·5	5	− ·004	− ·04
		8o	19·3	3	− ·004	− ·03
					− ·001	− ·03
1296	9·2	Z	25·0	2	− ·008	+ ·02
1297	7·3	t	60·3	3	− ·006	− ·03
		4o	58·3	1	− ·003	− ·02
		5o	47·1	2	...	− ·03
		65	30·5	3	− ·001	− ·05
		G	23·8	6	− ·002	·00
		8o	22·0	3	− ·005	− ·01
					− ·003	− ·03
1299	9·3	Z	25·6	1	+ ·007	+ ·03
1300	9·2	Z	26·2	3	− ·005	− ·03
1301	8·5	Z	25·5	1	− ·005	+ ·03
1303	9·0	Z	23·7	2	+ ·003	− ·03
1305	8·0	G	16·5	3	+ ·004	− ·02
		Z	23·9	2	+ ·005	− ·03
					+ ·004	− ·02
1306	7·7	G	19·9	4	− ·001	− ·08
		Z	25·0	1	− ·003	− ·03
					− ·001	− ·07
1307	8·0	G	16·4	3	+ ·006	− ·06
		Z	24·4	1	− ·004	+ ·02
					+ ·005	− ·04
1308	7·5	t	60·6	5	− ·019	− ·16
		G	19·0	3	− ·005	− ·06
		8o	20·0	3	− ·013	− ·12
					− ·016	− ·15
1309	8·7	Z	24·5	1	− ·004	+ ·02
1311	9·1	Z	25·6	1	−0·002	+0·05
1312	7·0	G	23·1	4	− ·002	− ·03
		8o	19·5	3	+ ·007	− ·06
					+ ·002	− ·05
1313	9·4	Z	24·9	1	+ ·002	− ·03
1315	7·2	G	19·3	3	− ·005	− ·08
		Z	25·6	3	− ·003	·00
					− ·004	− ·05
1317	8·0	G	22·5	4	+ ·002	− ·08
		8o	21·9	3	− ·005	− ·07
					− ·001	− ·07
1319	9·0	Z	23·2	1	+ ·006	+ ·08
1320	8·5	G	17·0	3	+ ·002	− ·08
		Z	19·0	1	− ·002	+ ·07
					+ ·001	− ·05
1321	8·0	Z	25·5	2	− ·001	+ ·01
1322	7·0	t	61·5	2:3	− ·001	− ·02
		4o	59·5:59·6	1:2	+ ·001	+ ·04
		5o	47·8:48·5	2:3	+ ·001	+ ·03
		G	24·8	7	+ ·002	+ ·04
		8o	22·9	3	+ ·006	+ ·04
					+ ·001	+ ·02
1323	9·1	Z	26·0	1	− ·002	+ ·01
1324	8·0	Z	23·3	1	− ·001	− ·09
1326	8·1	G	19·0	3	+ ·003	+ ·04
		Z	25·9	1	− ·001	·00
					+ ·002	+ ·03
1327	8·0	G	19·3	3	+ ·007	+ ·04
		Z	25·8	2	+ ·002	·00
					+ ·006	+ ·03
1328	8·9	G	17·7	4	− ·002	− ·06
		Z	25·1	4	− ·004	− ·02
					− ·003	− ·05
1329	7·7	G	20·9	4	− ·001	·00
		8o	19·9	3	·000	− ·05
					·000	− ·03
1330	9·2	Z	25·0	1	− ·004	+ ·03
1331	8·3	G	17·1	3	+ ·010	− ·08
		Z	23·3	1	+ ·006	− ·01
					+ ·009	− ·07
1332	7·0	G	25·0	4	− ·001	+ ·02
		8o	22·9	3	− ·007	+ ·03
					− ·004	+ ·03
1335	9 o	G	17·6	4	·000	− ·05
		Z	25·1	2	− ·004	+ ·01
					− ·001	− ·04
1336	7·8	G	22·0	4	+ ·001	+ ·02
		8o	22·0	3	+ ·001	+ ·03
					+ ·001	+ ·03
1338	9·0	G	19·0	3	+ ·007	+ ·01
		Z	25·0	1	·000	+ ·06
					+ ·006	+ ·02
1339	9·3	Z	24·3	1	−0·001	+0·05
1341	9·0	Z	23·3	1	+ ·003	+ ·01
1342	8·7	G	18·7	3	+ ·003	+ ·02
		Z	25·6	1	− ·007	− ·03
					+ ·002	+ ·01
1343	8·8	Z	24·3	1	− ·001	+ ·06
1345	8·0	t	61·5	2	·000	+ ·02
		G	21·6	4	·000	− ·01
		8o	22·9	3	− ·002	·00
					·000	+ ·01
1346	8·0	G	17·3	3	− ·004	− ·06
		Z	22·9	2	− ·005	− ·01
					− ·004	− ·04
1347	8·8	Z	25·0	1	·000	− ·04
1348	7·0	G	24·8:24·6	4:5	+ ·001	− ·01
		8o	23·3	3	− ·005	·00
					− ·002	·00
1349	8·3	G	18·6	3	− ·006	− ·05
		Z	25·6	1	− ·004	·00
					− ·006	− ·04
1350	7·8	G	22·2	4	− ·002	− ·02
		8o	23·4	3	− ·003	+ ·04
					− ·002	+ ·02
1351	7·8	t	60·0	4	− ·008	− ·01
		G	20·4	4	− ·006	+ ·02
		8o	21·0	3	− ·007	+ ·04
					− ·007	·00
1354	8·3	Z	25·0	1	·000	+ ·01
1355	8·5	Z	23·3	1	+ ·001	− ·03
		Ms	15·2	5	− ·005	+ ·02
					− ·002	+ ·01
1357	8·0	Z	25·3	2	− ·004	− ·02
1358	8·8	Z	23·3	1	− ·001	+ ·03
1359	9·0	Z	21·7	2	− ·006	− ·01
1360	8·9	Z	24·6	1	− ·002	+ ·02
1361	9·0	Z	25·0	1	− ·004	+ ·03
1362	7·7	G	21·5	4	− ·001	− ·01
		8o	21·6	3	− ·005	·00
					− ·003	·00
1363	9·0	Z	23·3	1	·000	− ·04
1364	8·5	Z	25·4	2	− ·004	+ ·05
1365	7·9	G	20·1	4	+ ·008	+ ·04
		8o	22·4	3	+ ·006	+ ·10
					+ ·007	+ ·08
1366	8·8	G	17·8	4	−. ·001	·00
1368	7·0	t	60·6	5	+ ·001	+ ·01
		4o	59·0	1	+ ·005	− ·01
		5o	47·4:47·6	2:3	+ ·004	+ ·03
		65	30·0	1:2	+ ·003	+ ·02
		G	21·8	5	+ ·007	+ ·01
		Ms	20·0	5	+ ·001	− ·04
		8o	23·0	3	+ ·005	+ ·03
		m	19·0	3	− ·002	− ·02
					+ ·003	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
1369	8·3	G	18·0	3	+0·003	−0·04
		Z	24·5	2	− ·003	+ ·05
					+ ·002	− ·01
1371	9·6	Z	25·7	1	− ·005	+ ·05
1372	8·6	Z	23·3	1	+ ·003	·00
1373	8·0	t	59·1	4	− ·006	+ ·01
		G	18·9	4	− ·008	− ·06
		80	19·6	3	− ·012	+ ·01
					− ·007	·00
1374	8·8	G	16·2	3	+ ·005	− ·07
		Z	23·3	1	− ·004	·00
					+ ·004	− ·06
1375	8·9	G	17·4	4	− ·002	− ·01
		Z	24·8	2	− ·004	·00
					− ·002	− ·01
1376	8·6	G	18·5	4	− ·001	− ·06
		Z	25·5	1	− ·015	− ·07
					− ·003	− ·06
1377	8·0	G	18·1	3	·000	− ·06
		Z	25·0	1	− ·003	− ·04
					·000	− ·06
1379	7·0	t	60·3	3	(− ·009)	+ ·01
		40	58·3	2:1	+ ·004	− ·01
		50	46·6:46·7	2:5	+ ·005	+ ·01
		65	29·3	1:2	+ ·009	− ·03
		G	23·9	6	+ ·003	+ ·02
		80	22·3	3	+ ·004	+ ·02
					+ ·005	+ ·01
1381	7·5	G	18·9	4	− ·007	+ ·02
		Z	24·9	1	− ·007	+ ·04
					− ·007	+ ·02
1384	8·4	G	18·1	4	+ ·004	− ·02
		Z	25·0	1	+ ·008	+ ·03
					+ ·005	− ·01
1385	9·0	Z	23·1	1	+ ·002	− ·04
1387	8·6	G	19·3	4	− ·005	− ·08
1388	9·1	G	18·3	3	+ ·003	+ ·03
		Z	25·3	1	− ·009	+ ·08
					+ ·001	+ ·04
1390	8·0	G	18·4	5	− ·010	− ·04
		Z	24·3	2	− ·005	+ ·04
					− ·009	− ·02
1391	8·7	G	18·3	4	− ·002	− ·13
		Z	24·8	2	− ·006	− ·14
					− ·003	− ·13
1392	7·3	G	18·1	3	− ·009	− ·17
		Z	24·0	1	− ·003	·00
					− ·008	− ·14
1396	8·9	G	17·1	3	− ·003	− ·05
		Z	24·0	1	− ·004	+ ·01
					− ·003	− ·04
1397	9·0	Z	23·3	1	− ·005	− ·01
1398	8·5	G	18·4	3	+ ·003	− ·09
		Z	25·3	1	+ ·004	+ ·04
					+ ·003	− ·06
1399	7·0	t	63·5:64·3	3:4	+0·001	+0·01
		40	58·6	4:3	+ ·001	·00
		50	46·9:47·2	3	+ ·001	·00
		G	24·1	5:6	·000	+ ·01
		80	21·3	3	+ ·005	− ·04
					+ ·001	·00
1400	8·4	G	18·9	4	·000	+ ·01
		Z	25·4	2	− ·002	+ ·03
					·000	+ ·01
1401	8·7	G	18·8	3	+ ·006	·00
		Z	25·6	3	·000	+ ·05
					+ ·004	+ ·02
1403	8·7	G	18·0	3	+ ·002	+ ·01
		Z	24·9	1	− ·005	+ ·03
					+ ·001	+ ·01
1406	6·5	t	59·0	3	− ·002	− ·02
		50	45·3:45·6	3	+ ·001	+ ·01
		G	22·6	7	− ·001	·00
		80	19·7	3	− ·005	+ ·02
					− ·001	·00
1407	8·5	G	16·3	3	− ·003	− ·08
		Z	23·3	1	− ·007	− ·11
					− ·004	− ·09
1410	4·0	t	65·2:65·6	11:10	+ ·002	− ·23
		40	58·3:61·7	7:9	+ ·002	− ·22
		50	45·5:45·8	2:3	+ ·004	− ·23
		60	37·3	5:6	+ ·004	− ·23
		M	28·2	3	+ ·002	− ·25
		G	18·1:18·4	18:19	+ ·002	− ·25
		Ms	17·8	5	+ ·008	− ·22
		80	19·9:20·2	3:2	+ ·005	− ·22
		90	6·6	12	·000	− ·27
					+ ·003	− ·23
1411	9·3	Z	24·5	2	− ·004	+ ·02
1412	8·9	Z	25·6	1	·000	·00
1413	7·5	G	21·1	4	·000	− ·01
		80	19·9	3	+ ·006	− ·09
					+ ·003	− ·06
1414	7·5	G	23·5	3	− ·004	+ ·01
		80	23·9	3	− ·004	+ ·05
					− ·004	+ ·02
1415	8·6	G	18·5	3	+ ·001	− ·06
		Z	25·3	1	− ·004	+ ·03
					·000	− ·04
1416	8·7	Z	25·4	2	− ·008	+ ·04
1417	8·4	G	17·2	3	− ·002	− ·08
		Z	19·2	1	− ·002	+ ·06
					− ·002	− ·05
1420	9·1	Z	24·0	1	+ ·026	− ·11
1422	8·5	G	18·1	3:2	− ·006	− ·03
		Z	23·7	2	·000	+ ·04
					− ·005	− ·01
1423	9·0	Z	23·7	2	− ·005	− ·01
1424	8·6	G	17·9	3	+ ·006	− ·06
		Z	26·0	1	+ ·008	+ ·07
					+ ·006	− ·03
1425	8·7	G	18·0	3	+0·004	−0·04
		Z	25·4	2	·000	+ ·04
					+ ·003	− ·01
1426	8·3	G	18·0	3	+ ·004	− ·08
		Z	24·0	1	− ·002	− ·04
					+ ·003	− ·07
1429	8·3	G	18·7	3	+ ·002	− ·05
		Z	25·6	1	·000	+ ·09
					+ ·002	− ·02
1430	8·0	G	18·7	3	+ ·004	− ·05
		Z	25·6	2	+ ·002	− ·04
					+ ·004	− ·05
1431	8·5	Z	23·1	1	− ·005	− ·07
1432	7·7	G	21·9	4	+ ·001	+ ·07
		80	22·0	3	+ ·002	+ ·09
					+ ·001	+ ·08
1433	8·8	Z	25·0	1	− ·009	+ ·04
		80	20·1	3	− ·013	+ ·03
					− ·012	+ ·03
1436	9·0	Z	25·0	1	− ·005	− ·05
1437	8·8	Z	24·3	1	− ·003	+ ·05
1438	9·4	Z	24·9	1	− ·004	+ ·05
1439	9·0	G	16·3	3	+ ·002	− ·06
		Z	23·3	1	·000	− ·08
					+ ·002	− ·06
1440	9·0	Z	23·3	1	·000	− ·18
1441	5·5	t	62·4:63·4	7:6	+ ·003	− ·06
		40	60·6:62·4	7:2	+ ·002	+ ·01
		50	46·7:47·1	1:2	+ ·005	− ·06
		60	38·3	5	+ ·005	− ·04
		M	30·9:31·3	3:4	+ ·004	− ·09
		G	22·2	7	+ ·005	− ·06
		Ms	19·3	5	+ ·012	− ·10
		80	21·0	3	+ ·005	− ·07
		85	15·3	3	+ ·005	...
					+ ·004	− ·05
1442	8·7	Z	25·0	1	− ·007	− ·02
1443	7·5	G	18·5	5	+ ·003	− ·01
		Z	24·9	1	+ ·002	·00
					+ ·003	− ·01
1446	8·9	G	17·2	3	+ ·002	+ ·01
		Z	24·0	1	+ ·001	+ ·05
					+ ·002	+ ·02
1448	7·8	G	19·0	3	− ·002	− ·05
		Z	25·9	1	− ·003	+ ·02
					− ·002	− ·04
1449	7·2	G	19·1	3	− ·005	− ·04
		80	20·1	3	− ·012	+ ·02
					− ·008	− ·02
1450	7·5	G	22·4	5	− ·002	+ ·01
		80	23·3	3	− ·006	+ ·03
		90	5·3	6	− ·011	+ ·04
					− ·003	+ ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
1451	8·3	G	16·2	3	+0·012	−0·02
		Z	23·8	2	+ ·006	·00
					+ ·011	− ·01
1452	9·3	Z	24·9	1	+ ·009	+ ·14
1453	8·0	G	21·0	4	+ ·003	+ ·11
		8o	19·7	3	− ·001	+ ·06
					+ ·001	+ ·08
1455	8·0	G	22·4:22·5	6:7	+ ·001	− ·06
		8o	19·9	3	− ·002	− ·07
					·000	− ·06
1457	9·0	Z	25·9	1	− ·003	+ ·03
1458	8·6	Z	25·6	1	·000	+ ·06
1460	9·1	G	18·3	5	− ·006	− ·02
		Z	24·8	2	− ·004	·00
					− ·006	− ·02
1462	9·1	Z	24·2	1	− ·002	+ ·09
1463	8·3	G	17·2	3	− ·001	− ·08
		Z	23·3	1	·000	+ ·04
					− ·001	− ·06
1464	9·0	Z	24·8	2	− ·003	+ ·01
1465	9·2	Z	23·5	1	− ·002	− ·06
1466	8·0	G	21·4	5	− ·003	− ·03
		8o	19·8	3	− ·010	− ·04
					− ·005	− ·04
1467	8·5	G	16·1	3	·000	− ·04
		Z	22·1	3	+ ·003	+ ·04
					+ ·001	− ·01
1468	7·3	t	60·2	3	− ·005	− ·01
		5o	46·6:46·9	2:3	− ·003	− ·04
		65	29·3	1:2	− ·001	− ·04
		G	21·4	5	− ·004	·00
		8o	22·2	3	− ·006	− ·01
					− ·004	− ·02
1469	8·3	t	60·5	3:2	− ·002	− ·02
		G	21·7	5	− ·002	− ·02
		Ms	15·6	5	+ ·001	+ ·01
		8o	21·3	3	− ·004	+ ·03
					− ·002	− ·01
1474	7·0	t	63·6:64·3	3:4	− ·001	+ ·07
		4o	58·6:58·7	4:2	− ·001	+ ·04
		5o	46·9:47·9	2	·000	+ ·07
		G	23·9	7	− ·002	+ ·05
		8o	21·3	3	·000	+ ·06
					− ·001	+ ·06
1475	9·1	Z	24·3	1	− ·005	+ ·04
1476	7·8	G	22·4	6	− ·011	− ·15
		8o	23·9	3	− ·013	− ·12
					− ·012	− ·13
1477	8·0	G	19·6:19·5	5:6	− ·006	+ ·02
		8o	19·5	3	− ·006	− ·02
					− ·006	·00
1479	9·1	Z	22·3	3	+ ·002	+ ·03
1480	7·7	t	60·6	3	−0·003	−0·03
		G	19·6	7	− ·001	− ·01
		8o	22·6	3	− ·007	+ ·05
					− ·003	− ·01
1481	8·9	Z	25·0	1	− ·007	− ·03
1483	9·0	Z	25·9	1	− ·005	+ ·01
1485	9·5	Z	23·3	1	+ ·006	+ ·09
1487	8·4	G	16·4	3:4	+ ·002	− ·02
		Z	24·1	4	− ·002	+ ·03
					+ ·001	·00
1490	6·5	t	60·8	3	+ ·003	− ·27
		4o	61·8:58·9	6:1	+ ·005	− ·28
		5o	46·9:47·6	2	+ ·001	− ·32
		65	30·4	2	+ ·004	− ·33
		M	31·5:31·4	3:4	+ ·004	− ·30
		G	22·9	4	+ ·006	− ·29
		8o	22·6	3	− ·001	− ·29
					+ ·004	− ·29
1491	7·3	G	22·5	6	− ·007	− ·01
		8o	19·6	3	− ·007	·00
					− ·007	·00
1493	9·1	Z	25·9	1	− ·005	+ ·04
1494	9·2	G	17·0	4	·000	− ·01
		Z	25·0	1	− ·012	− ·05
					− ·002	− ·01
1496	7·3	t	59·1	3	− ·003	+ ·01
		5o	45·3:45·6	2:3	− ·005	− ·01
		G	22·6	6	− ·006	− ·03
		8o	19·5	3	− ·010	− ·02
					− ·005	− ·01
1497	9·0	Z	25·0	1	+ ·001	+ ·02
1498	8·6	Z	24·5	2	− ·005	+ ·02
1499	8·3	G	17·1	3	− ·002	− ·12
		Z	24·1	1	− ·004	+ ·02
					− ·002	− ·09
1500	7·0	t	59·9	3	− ·001	+ ·03
		4o	58·0	1	...	+ ·01
		5o	46·0:46·8	2	+ ·003	·00
		G	23·5	4	− ·001	+ ·01
		8o	22·0	3	+ ·003	+ ·04
					+ ·001	+ ·02
1501	9·1	Z	25·0	1	− ·013	− ·03
1502	9·4	G	16·3	3	+ ·006	− ·02
		Z	23·3	1	+ ·002	− ·05
					+ ·005	− ·03
1503	8·8	G	18·4	3	+ ·009	− ·04
		Z	25·3	1	− ·002	+ ·03
					+ ·007	− ·03
1504	7·6	G	21·2	4	− ·003	+ ·05
		8o	19·2	3	− ·010	− ·01
					− ·006	+ ·01
1506	7·5	G	20·5	5	− ·002	+ ·04
		8o	19·4	3:2	− ·011	− ·03
					− ·006	·00
1507	8·1	Z	25·6	1	− ·004	·00
1508	9·0	Z	19·2	1	−0·002	+0·10
1509	5·5	t	65·4:65·6	15:14	·000	− ·02
		4o	62·0:59·5	2:4	− ·006	− ·02
		5o	46·0:46·8	2	− ·004	− ·01
		6o	38·0	8	− ·002	·00
		M	28·0	3	− ·003	·00
		G	21·4	4	·000	·00
		Ms	20·0	5	− ·016	+ ·01
		8o	22·0	3	− ·007	+ ·01
		9o	9·8:9·9	12:14	− ·006	− ·01
					− ·003	− ·01
1510	8·6	Z	25·1	2	− ·002	+ ·06
1511	8·4	Z	25·1	2	− ·014	+ ·07
1512	9·1	Z	24·4	1	+ ·013	+ ·07
1513	9·0	Z	26·0	2	− ·007	+ ·05
1515	9·0	Z	25·0	2	− ·001	+ ·35
1516	8·0	G	15·9	4	+ ·005	− ·03
		Z	21·4	2	+ ·006	+ ·07
					+ ·005	− ·01
1517	9·0	Z	24·4	1	+ ·009	− ·02
1518	8·3	G	18·4	3	+ ·001	− ·05
		Z	25·3	1	− ·009	− ·04
		Ms	33·9	5	− ·003	·00
					− ·002	− ·02
1519	8·8	Z	24·3	1	− ·002	+ ·05
1520	9·4	G	17·1	3	+ ·001	+ ·02
		Z	24·0	1	− ·003	+ ·10
					·000	+ ·04
1521	8·8	Z	24·0	1	− ·005	·00
1523	8·9	Z	25·9	1	+ ·001	− ·06
1524	9·3	G	18·4	4	− ·001	+ ·05
		Z	25·3	1	+ ·008	+ ·05
					·000	+ ·05
1525	9·0	G	17·1	3	·000	− ·01
		Z	21·8	2	+ ·007	+ ·07
					+ ·001	+ ·02
1526	9·0	Z	24·0	1	− ·003	+ ·05
1527	8·5	Z	23·9	1	+ ·005	− ·03
1532	8·0	G	15·8	2	+ ·003	− ·08
		Z	23·9	1	+ ·008	+ ·05
					+ ·004	− ·05
1533	9·1	G	16·3	4	+ ·002	− ·05
		Z	21·7	2	+ ·005	+ ·02
					+ ·003	− ·04
1534	8·6	G	16·3	3	+ ·006	− ·07
		Z	24·4	1	+ ·015	·00
					+ ·007	− ·06
1535	9·3	G	17·1	3	+ ·005	− ·03
		Z	25·1	1	+ ·001	·00
					+ ·004	− ·02
1537	9·0	Z	25·0	1	− ·001	+ ·06
1538	7·7	G	22·1	5	+ ·002	+ ·03
		Ms	15·0	5	+ ·006	+ ·05
		8o	22·0	3	+ ·004	+ ·04
					+ ·003	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
1539	8·7	G	17·1	3	0·000	−0·03
		Z	24·0	1	+ ·006	+ ·09
					+ ·001	− ·01
1541	6·5	t	62·9:64·7	5:6	+ ·001	+ ·05
		40	57·9:58·0	3:2	+ ·001	+ ·03
		50	46·0:46·4	2:4	+ ·001	+ ·04
		G	23·5	9	− ·001	+ ·03
		80	20·9	3	− ·002	·00
					+ ·001	+ ·04
1542	8·5	G	19·6	3	+ ·001	− ·07
		Z	25·6	3	− ·002	+ ·04
					·000	− ·03
1544	8·9	Z	24·3	2	− ·002	·00
1547	8·9	G	18·6	1	+ ·001	− ·03
		Z	25·6	2	− ·004	+ ·01
					− ·001	− ·01
1548	8·8	G	16·3	3	·000	− ·02
		Z	23·1	4	·000	+ ·08
		Ms	12·5	6	− ·009	+ ·04
					·000	+ ·03
1549	7·9	G	22·2	4	− ·002	+ ·02
		80	21·6	3	− ·006	+ ·01
					− ·004	+ ·01
1551	9·4	Z	19·3	1	·000	− ·12
1552	8·9	Z	24·4	1	+ ·007	·00
1555	9·1	Z	25·9	2	− ·007	− ·06
1556	8·7	Z	24·1	1	+ ·001	+ ·06
1557	8·6	G	18·0	3	+ ·006	− ·01
		Z	24·5	2	·000	+ ·07
					+ ·005	+ ·02
1558	8·5	G	18·0	3	+ ·001	− ·06
		Z	24·0	1	− ·005	+ ·08
					·000	− ·03
1560	8·5	Z	24·2	1	+ ·010	+ ·11
1561	7·0	t	61·0	3	− ·005	·00
		40	63·0	3	− ·001	...
		G	22·2	4	− ·001	+ ·05
		Ms	23·4	5	− ·006	+ ·04
		80	22·7	3	+ ·004	+ ·04
					− ·002	+ ·02
1562	8·3	G	17·1	2	+ ·006	− ·01
		80	21·7	3	− ·013	+ ·02
					− ·007	+ ·01
1563	8·7	Z	25·1	1	+ ·003	− ·06
1565	9·0	Z	24·2	1	+ ·005	+ ·05
1566	9·0	Z	24·1	1	+ 006	+ ·04
1568	7·5	t	61·1	3	− ·011	− ·03
		G	20·7	4	− ·006	− ·08
		80	22·9	3	− ·007	− ·05
					− ·009	− ·04
1569	8·8	Z	25·1	1	− ·002	+ ·06
1572	9·3	Z	24·0	1	− ·001	+ ·07
1574	5·5	t	61·0	3	−0·006	+0·05
		40	61·8	6	− ·005	+ ·03
		50	47·3:47·5	2:4	− ·003	+ ·05
		60	39·0	1	− ·009	+ ·02
		65	32·1	3	− ·010	+ ·06
		G	24·6	8	− ·004	+ ·05
		Ms	21·0	5	− ·011	+ ·02
		80	21·8	4	− ·011	+ ·04
					− ·006	+ ·04
1575	8·0	G	18·2	5	− ·006	− ·09
		80	19·3	3	− ·007	− ·04
					− ·006	− ·06
1577	8·5	Z	24·5	2	− ·004	+ ·04
1578	7·0	t	62·9	4	− ·001	+ ·01
		40	57·2	2	− ·002	+ ·01
		50	45·5:45·8	2:3	+ ·004	+ ·03
		G	19·2	5	− ·001	− ·02
		Ms	17·6	5	− ·002	− ·02
		80	19·6	3	·000	·00
		m	17·2	3	− ·007	− ·02
					− ·001	+ ·01
1579	7·9	G	21·5	4	− ·002	− ·05
		Z	24·6	1	− ·005	− ·03
					− ·002	− ·05
1580	9·0	Z	25·3	1	− ·011	·00
1582	8·6	G	23·7	6	− ·003	+ ·02
		Z	25·9	2	− ·003	·00
					− ·003	+ ·02
1583	7·5	t	60·6:60·4	4:3	·000	+ ·25
		G	24·6	6	− ·004	+ ·29
		Z	22·4	3	− ·004	+ ·27
					− ·002	+ ·26
1584	9·1	G	16·2	3	+ ·003	− ·06
		Z	24·4	1	·000	− ·01
					+ ·003	− ·05
1585	8·5	G	17·5	3	− ·005	− ·03
		80	19·3	3	− ·007	− ·05
					− ·006	− ·04
1588	7·9	G	18·0	3:2	− ·004	− ·01
		Z	25·0	1	− ·004	·00
					− ·004	− ·01
1589	8·5	G	21·0	3	+ ·025	− ·11
		Z	24·1	1	+ ·023	− ·05
					+ ·025	− ·10
1590	8·1	Z	25·0	1	− ·006	− ·13
1591	8·7	G	17·1	3	+ ·011	·00
		Z	25·1	1	+ ·010	+ ·06
					+ ·011	+ ·01
1592	9·3	Z	21·7	2	+ ·003	·00
1593	8·8	G	17·1	4	+ ·003	+ ·01
		Z	24·3	3	− ·003	+ ·08
					+ ·001	+ ·02
1594	7·6	G	22·6	10	− ·051	− ·35
		80	23·0	3	− ·048	− ·33
					− ·050	− ·34
1596	8·4	G	19·0	3	+0·004	−0·03
		Z	25·0	1	− ·001	+ ·02
					+ ·003	− ·02
1597	8·8	G	18·2	4	+ ·003	+ ·06
		Z	25·1	2	+ ·009	+ ·10
					+ ·004	+ ·07
1598	8·5	G	19·2	5	− ·003	− ·04
		Z	23·8	1	+ ·012	+ ·01
					− ·002	− ·03
1600	8·3	t	58·7	7	− ·007	− ·10
		G	18·5	6	− ·005	− ·13
		80	19·0	3	− ·008	− ·07
		90	6·5	6	+ ·003	− ·14
					− ·007	− ·10
1601	9·3	Z	19·0	1	+ ·002	+ ·11
1602	9·0	Z	24·1	2	+ ·001	− ·14
1603	8·4	Z	24·5	2	− ·002	+ ·04
1604	9·0	Z	25·0	1	− ·005	+ ·05
1605	8·8	Z	24·1	1	− ·007	+ ·14
1607	7·0	t	63·8:64·7	3:4	+ ·003	+ ·01
		40	59·0:58·9	5:1	+ ·001	+ ·03
		50	47·2:47·7	2	+ ·001	+ ·04
		65	30·4	2	− ·002	+ ·03
		G	24·1	4	− ·004	+ ·03
		80	21·6	3	− ·007	+ ·02
					·000	+ ·02
1608	7·3	G	22·6	5	− ·003	·00
		Ms	34·1	5	− ·005	− ·02
		80	23·2	4	− ·006	+ ·05
					− ·004	+ ·02
1610	9·0	Z	25·1	1	− ·008	+ ·08
1611	8·5	Ms	13·7	5	+ ·004	− ·01
1612	7·5	G	20·2	4	+ ·004	+ ·01
		80	22·0	3	+ ·003	+ ·05
					+ ·003	+ ·03
1613	9·0	Z	24·6	2	− ·003	+ ·02
1614	8·0	G	19·6	5	·000	− ·04
		80	19·7	3	+ ·001	+ ·03
					·000	·00
1615	8·4	Z	24·3	1	+ ·009	− ·04
1616	8·1	Z	25·0	1	− ·005	+ ·04
1618	8·5	Z	24·3	1	+ ·009	+ ·08
1619	8·6	G	19·0	3	+ ·002	+ ·01
		Z	25·0	2	− ·005	+ ·02
					+ ·001	+ ·01
1621	8·3	G	18·1	3	− ·002	+ ·02
		Z	24·7	3	− ·003	+ ·02
					− ·002	+ ·02
1623	8·3	G	18·6	4	+ ·005	− ·03
		Z	25·0	1	− ·002	− ·14
					+ ·004	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
1624	8·8	Z	25·0	1	−0·007	+0·09
1625	8·3	G	17·7	1	− ·003	+ ·05
		Z	25·7	1	+ ·001	+ ·07
					− ·002	+ ·06
1626	9·2	Z	22·3	3	− ·004	− ·02
1627	8·0	G	18·1	4	+ ·001	− ·02
		Z	25·0	1	− ·003	+ ·10
					·000	− ·01
1628	8·8	Z	24·5	2	− ·005	+ ·04
1631	8·5	Z	24·1	1	+ ·012	·00
1632	6·8	t	61·3	3	− ·003	+ ·01
		4o	59·3	3	− ·004	·00
		5o	47·4:47·5	2:3	− ·005	− ·02
		G	24·9:24·8	6:7	− ·007	− ·01
		8o	23·0	3	− ·003	− ·03
					− ·004	− ·01
1633	7·6	t	60·0	3	− ·003	·00
		G	22·0	4	− ·004	+ ·01
		8o	21·7	3	− ·010	− ·05
					− ·005	− ·01
1634	7·5	G	17·7	3	− ·005	+ ·02
		Z	23·8	1	+ ·002	+ ·11
					− ·004	+ ·04
1638	8·5	G	15·7	3	− ·001	− ·09
		Z	23·6	1	− ·003	·00
					− ·001	− ·07
1640	9·0	Z	24·1	1	+ ·009	+ ·01
1642	8·7	Z	24·2	1	− ·001	− ·02
1645	9·2	G	17·0	4	+ ·004	− ·04
		Z	24·5	2	+ ·001	+ ·02
					+ ·003	− ·03
1646	8·8	Z	25·0	2	− ·005	+ ·03
1648	7·5	G	16·6	3	− ·004	− ·06
		Z	23·3	1	+ ·002	+ ·05
					− ·003	− ·04
1649	8·5	Z	24·1	1	+ ·009	− ·01
1650	8·0	G	19·3	7	·000	− ·01
		8o	19·7	3	− ·001	− ·01
					·000	− ·01
1651	8·1	G	20·1	4	− ·003	− ·07
		8o	21·0	3	+ ·002	·00
					·000	− ·03
1652	8·5	G	18·0	3	+ ·001	− ·03
		Z	24·7	3	− ·001	·00
					·000	− ·02
1653	9·2	Z	25·1	1	− ·001	+ ·08
1654	8·5	G	23·1	4	·000	+ ·03
		8o	23·0	3	− ·004	·00
					− ·002	+ ·01
1655	8·9	G	17·1	3	+ ·004	− ·02
		Z	24·5	4	+ ·002	+ ·06
					+ ·003	+ ·02
1656	8·0	G	19·0	3	−0·003	+0·04
		Z	25·1	2	+ ·001	·00
					− ·002	+ ·03
1657	9·0	Z	25·1	1	+ ·004	+ ·02
1658	8·9	Z	25·3	1	− ·008	+ ·03
1659	8·5	Z	24·1	1	+ ·005	·00
1661	8·6	Z	24·0	1	− ·003	+ ·10
1662	8·5	Z	24·2	1	+ ·009	− ·01
		Ms	15·0	5	+ ·002	+ ·05
					+ ·005	+ ·04
1663	8·9	Z	25·0	2	− ·006	+ ·02
1664	8·8	G	19·0	4	− ·006	− ·01
		Z	25·4	1	− ·004	+ ·02
					− ·006	− ·01
1666	8·0	G	20·7	4	+ ·005	·00
		Ms	13·8	5	+ ·001	+ ·08
		8o	19·5	3	− ·004	+ ·03
					+ ·001	+ ·03
1667	7·3	t	61·0	3	+ ·001	− ·01
		4o	63·0:63·1	3:2	− ·001	·00
		G	20·7	4	− ·004	+ ·08
		8o	23·0	4	− ·003	+ ·03
					− ·001	+ ·01
1668	8·2	Z	25·0	2	− ·003	+ ·05
1670	9·0	Z	24·1	1	+ ·008	+ ·05
1671	8·8	Z	24·6	3	− ·005	− ·02
1672	8·0	Z	24·2	2	+ ·004	+ ·05
1673	9·0	G	18·4	3	+ ·004	− ·05
1674	8·3	G	17·1	2	+ ·003	− ·01
		Z	25·0	2	+ ·001	·00
					+ ·002	− ·01
1676	8·7	Z	25·0	2	+ ·004	+ ·04
1677	8·8	Z	25·1	1	− ·016	− ·02
1678	9·2	Z	24·6	1	·000	+ ·04
1680	9·5	Z	23·4	1	− ·005	− ·15
1681	8·0	G	17·1	3	− ·004	− ·02
		Z	24·7	3	− ·001	+ ·03
					− ·003	·00
1682	9·1	Z	25·1	1	− ·008	+ ·07
1685	8·6	Z	24·6	3	− ·004	+ ·03
1686	8·0	G	19·2	3	− ·001	+ ·01
		Z	24·4	1	+ ·006	+ ·06
					·000	+ ·02
1687	7·9	G	20·3	4	− ·004	− ·06
		8o	20·4	3	− ·007	− ·01
					− ·005	− ·03
1688	9·5	Z	24·5	1	·000	+ ·02
1689	9·2	Z	24·5	1	+ ·002	+ ·07
1690	8·1	G	18·1	4	+0·001	+0·08
		Z	25·0	1	+ ·001	+ ·04
					+ ·001	+ ·08
1692	9·5	Z	24·0	1	+ ·005	+ ·02
1693	6·0	t	60·6:60·4	4:3	− ·007	− ·01
		4o	61·3:59·4	6:2	− ·006	+ ·03
		5o	47·6:48·1	2:3	− ·007	+ ·01
		G	24·8	7	− ·004	− ·01
		Ms	19·8	5	− ·001	− ·11
		8o	23·3	3	− ·002	+ ·02
					− ·006	·00
1694	8·5	Z	25·2	1	− ·008	− ·18
1695	8·5	G	16·1	3	− ·002	− ·15
		Z	23·9	1	− ·003	− ·10
					− ·002	− ·14
1696	8·0	G	17·4	3	+ ·004	+ ·01
		Ms	32·0	5	− ·006	+ ·01
		8o	19·1	3	− ·013	+ ·01
					− ·005	+ ·01
1698	9·4	Z	24·1	1	− ·014	+ ·04
1700	9·3	Z	25·1	1	+ ·002	− ·02
1701	5·5	4o	60·4:58·9	11:2	+ ·002	·00
		5o	47·9	3	...	− ·01
		65	32·1:33·3	3:4	− ·004	+ ·06
		G	25·0	5:6	+ ·004	·00
		Ms	19·5	5	+ ·003	− ·15
		8o	23·0	4:3	+ ·001	+ ·04
		9o	9·7	14	− ·001	·00
					+ ·001	·00
1702	8·8	Z	24·1	1	− ·004	+ ·05
1703	9·0	Z	23·7	1	+ ·001	− ·02
1705	9·2	Z	24·0	1	− ·016	+ ·12
1706	8·6	G	18·1	3	− ·006	+ ·07
		Z	25·1	2	− ·006	+ ·10
					− ·006	+ ·08
1707	8·1	G	18·9	3	+ ·003	+ ·01
		Z	25·1	1	− ·001	+ ·06
					+ ·002	+ ·02
1708	8·0	Z	24·2	1	+ ·007	+ ·14
1711	8·5	G	19·0	3	+ ·001	− ·02
		Z	25·1	2	− ·001	− ·02
					+ ·001	− ·02
1713	7·0	G	23·3	6	− ·005	− ·01
		8o	20·7	3	+ ·003	+ ·03
					− ·002	+ ·01
1714	8·3	G	19·0	3	− ·008	+ ·03
		Z	25·1	1	− ·002	+ ·03
					− ·007	+ ·03
1716	9·0	Z	24·8	2	− ·007	+ ·05
1719	8·8	Z	25·5	1	− ·004	+ ·17
1720	7·9	G	20·7	5	− ·002	− ·02
		Z	24·1	2	·000	+ ·01
					− ·002	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
1721	7·3	t	58·3	6	−0·009	+0·28
		50	44·8:45·3	2:4	− ·009	+ ·29
		65	28·7	1	− ·007	+ ·23
		G	22·2	10	− ·012	+ ·25
		80	19·7	3	− ·010	+ ·27
		m	19·7	3:4	− ·012	+ ·26
					− ·010	+ ·28
1722	7·8	G	19·0	3	+ ·001	+ ·02
		Z	25·0	3	− ·002	+ ·05
					·000	+ ·03
1723	9·0	Z	25·1	2	− ·003	·00
1724	8·0	G	20·7	4	− ·001	− ·03
		80	19·5	3	− ·007	− ·05
					− ·004	− ·04
1725	8·5	G	15·8	3	− ·004	− ·02
		Z	23·8	1	+ ·008	+ ·05
					− ·002	− ·01
1726	7·6	t	60·1	10	− ·002	− ·02
		G	21·1	4:3	− ·003	− ·05
		80	22·1	3	− ·001	·00
					− ·002	− ·02
1727	7·6	t	62·9:63·7	3:4	+ ·002	+ ·11
		40	57·9:58·0	1	− ·003	+ ·10
		50	46·0:46·4	2:3	+ ·003	+ ·11
		G	23·2	4	− ·003	+ ·11
		80	20·7	3	− ·003	+ ·15
					·000	+ ·11
1729	8·8	Z	25·0	2	− ·002	− ·02
1730	9·0	Z	23·9	1	+ ·010	+ ·06
		Ms	28·2	11	·000	+ ·08
					+ ·001	+ ·08
1731	9·1	Z	24·0	1	− ·001	+ ·04
1734	8·7	Z	25·0	2	+ ·628	−5·69
1736	8·8	Z	25·0	1	+ ·008	+ ·27
1739	7·8	Z	25·0	1	− ·002	+ ·10
1740	8·8	G	17·1	3	·000	− ·05
		Z	25·1	1	− ·017	+ ·03
					− ·002	− ·03
1742	9·0	Z	24·0	1	+ ·009	+ ·03
1743	9·0	Z	24·0	1	− ·002	·00
1744	7·5	G	18·1	4	+ ·005	+ ·06
		80	18·6	5	+ ·001	+ ·12
					+ ·002	+ ·10
1745	7·9	Z	24·0	1	− ·008	+ ·01
1746	7·8	t	60·6:61·1	6:5	− ·005	− ·07
		G	20·1	3	− ·004	− ·04
		80	22·1	3:2	− ·008	+ ·01
					− ·005	− ·06
1747	8·5	Z	24·0	1	+ ·010	+ ·03
1748	9·5	Z	24·2	1	+ ·005	+ ·05
1749	7·4	G	21·7	5	− ·001	+ ·10
		80	23·0	3	+ ·002	+ ·09
					·000	+ ·09
1750	9·3	Z	25·0	1	−0·002	+0·02
1751	9·3	Z	24·9	1	·000	+ ·07
1752	8·5	Z	23·9	2	+ ·009	+ ·02
1754	9·0	Z	24·9	1	·000	+ ·03
1759	9·0	Z	24·2	1	+ ·007	·00
1760	8·2	G	17·0	3	− ·001	+ ·02
		Z	25·0	1	·000	+ ·07
					− ·001	+ ·03
1761	8·6	Z	24·9	1	− ·005	+ ·02
1764	8·5	Z	24·1	1	− ·006	+ ·02
1765	7·5	G	18·4	6	− ·002	− ·02
		80	19·5	3	− ·007	− ·04
					− ·004	− ·03
1766	8·0	G	19·5	10	− ·009	+ ·04
		80	19·6	3	− ·015	+ ·01
					− ·010	+ ·03
1767	8·0	G	18·1	3	+ ·010	− ·07
		Z	25·0	3	+ ·010	− ·06
					+ ·010	− ·07
1769	7·9	t	61·0	3	− ·003	− ·12
		G	19·6	4	− ·012	− ·15
		80	20·0	3	− ·017	− ·05
					− ·008	− ·11
1771	8·1	Z	24·2	1	+ ·005	+ ·10
1772	7·3	G	23·3	4	− ·004	+ ·04
		80	22·0	3	− ·003	+ ·05
					− ·003	+ ·05
1773	8·3	Z	25·1	2	− ·007	− ·01
1774	8·0	t	61·0	3	·000	− ·04
		G	20·0	4	− ·005	+ ·01
		80	20·0	3	− ·011	+ ·01
					− ·003	− ·02
1775	7·9	Z	25·0	1	− ·006	+ ·03
1779	8·5	Z	23·5	1	+ ·003	·00
1781	8·0	G	22·4	9	− ·004	− ·08
		80	19·7	3	− ·004	− ·02
					− ·004	− ·05
1783	8·6	Z	24·1	1	− ·010	·00
1785	8·5	Z	24·1	1	+ ·006	+ ·06
1787	8·9	Z	25·1	1	+ ·003	− ·03
1789	7·4	t	59·9	3	− ·004	+ ·01
		50	46·1:47·2	3:1	− ·002	− ·04
		65	29·3	1	− ·004	·00
		G	22·0	4	− ·001	+ ·04
		80	22·0	3	− ·004	− ·04
					− ·003	− ·01
1790	8·6	Ms	30·0	5	− ·004	+ ·01
1791	8·5	G	15·5	3	− ·001	− ·11
		Z	23·5	2	+ ·002	·00
					·000	− ·07
1793	8·3	G	17·1	3	−0·004	−0·11
		Z	24·1	1	− ·007	+ ·03
					− ·004	− ·08
1796	8·3	G	17·1	3	− ·002	− ·09
		Z	25·0	1	− ·007	− ·04
					− ·003	− ·08
1797	8·0	G	16·9	3	+ ·002	− ·05
		Z	24·1	2	·000	− ·06
					+ ·002	− ·05
1798	8·3	t	61·0	2	− ·009	+ ·04
		G	21·1	4	− ·002	+ ·01
		80	20·0	3	− ·012	+ ·09
					− ·008	+ ·05
1799	8·9	Z	25·1	1	− ·012	+ ·08
1801	8·3	t	60·0	3	− ·011	− ·01
		40	58·0	1:4	− ·002	− ·01
		50	46·7	2	...	+ ·06
		65	30·0	1	− ·005	+ ·02
		G	23·0	6	− ·004	+ ·02
		80	21·0	3	− ·006	+ ·01
		m	18·0	3	− ·002	− ·03
					− ·005	+ ·01
1803	8·5	G	16·4	3	− ·004	− ·04
		Z	24·1	2	+ ·007	·00
					− ·002	− ·03
1804	7·2	t	61·0	2	+ ·002	+ ·02
		50	47·0:47·7	1:2	·000	+ ·04
		65	31·0	3	·000	+ ·02
		G	22·7	4	·000	+ ·03
		80	23·0	3	− ·002	+ ·04
					·000	+ ·03
1806	9·5	Z	23·9	1	+ ·010	·00
1807	8·6	G	17·1	4	+ ·004	+ ·06
		Z	25·0	1	− ·008	+ ·07
					+ ·002	+ ·06
1810	8·3	Z	24·9	1	− ·003	+ ·09
1811	8·5	Z	23·9	1	+ ·002	+ ·26
1813	7·7	G	21·6:21·3	5:3	− ·006	− ·01
		80	23·0	2	− ·007	− ·02
					− ·006	− ·02
1815	7·5	t	61·1	3	− ·005	·00
		G	20·3	4	·000	− ·02
		80	22·1	3	− ·001	+ ·07
					− ·003	+ ·01
1816	9·0	Z	23·9	1	− ·005	− ·01
1818	8·2	Z	24·0	1	·000	+ ·01
1820	8·3	G	15·8	3	− ·001	+ ·03
		Z	23·9	1	+ ·008	+ ·01
					·000	+ ·03
1821	6·8	t	63·7	4	− ·008	− ·04
		40	57·9:58·0	2:3	− ·004	− ·01
		50	46·1:46·8	2	− ·002	+ ·02
		65	30·1	3	·000	·00
		M	30·7	3	− ·001	− ·04
		G	22·9	5	− ·002	− ·01
		80	21·0	3	− ·003	− ·02
					− ·003	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
1822	9·0	Z	24·1	1	−0·007	+0·05
1823	8·0	Z	23·9	1	+ ·008	+ ·09
1825	8·4	G	21·8	4	+ ·001	·00
		Ms	29·8	5	− ·010	+ ·02
		8o	22·0	3	+ ·003	·00
					− ·002	+ ·01
1826	9·0	Z	24·0	1	− ·004	− ·04
1827	8·5	G	18·0	3	− ·006	− ·02
		Z	24·2	1	+ ·003	− ·04
					− ·005	− ·02
1831	8·5	G	21·2	4	− ·005	+ ·07
		8o	19·0	3	− ·009	+ ·05
					− ·007	+ ·06
1832	9·3	Z	25·0	1	− ·016	+ ·10
1833	8·0	t	60·0	3:2	− ·002	+ ·04
		5o	46·1:46·8	2	− ·001	+ ·03
		G	21·3	4	− ·001	+ ·08
		8o	21·5	4	− ·005	+ ·04
					− ·002	+ ·04
1834	7·8	G	20·5	5	− ·007	− ·05
		8o	22·0	3	− ·004	− ·03
					− ·006	− ·04
1835	9·6	Z	25·0	1	− ·003	− ·03
1836	9·1	G	17·1	3	− ·003	+ ·01
		Z	25·1	1	·000	+ ·03
					− ·003	+ ·01
1837	8·3	G	18·1	3	+ ·003	− ·02
		Z	25·0	1	− ·012	+ ·06
					+ ·001	·00
1840	8·8	Z	24·0	1	− ·010	− ·03
1841	8·7	Z	24·2	1	+ ·012	·00
1842	8·5	Z	25·1	1	·000	+ ·16
1845	9·2	Z	25·0	1	+ ·006	+ ·16
1846	8·8	Z	23·6	1	+ ·007	·00
1847	8·0	Z	24·2	1	+ ·006	+ ·06
1848	8·0	G	18·6	3	·000	+ ·03
		Z	25·0	2	+ ·002	− ·06
					·000	·00
1849	9·0	Z	25·1	2	− ·004	− ·03
1851	8·7	Z	24·1	1	− ·003	− ·03
1853	7·1	t	60·0	3	+ ·001	− ·04
		4o	57·9	1:2	+ ·001	− ·04
		5o	46·8	2	...	− ·04
		65	30°0:29·9	1:2	+ ·005	− ·01
		M	30·7	3	+ ·002	− ·05
		G	23·3	8	− ·001	− ·03
		8o	22·0	3	− ·002	·00
					+ ·001	− ·04
1854	8·5	Z	23·8	1	+ ·006	+ ·01
1856	9·0	Z	24·2	1	+ ·012	+ ·07
1859	9·0	Z	25·1	1	+ ·001	− ·04
1861	9·0	Z	25·0	1	−0·007	−0·06
1862	8·3	Z	25·1	2	− ·009	+ ·03
1864	8·4	Z	25·1	2	+ ·004	− ·04
1865	8·0	G	18·2	3	− ·002	− ·03
		Z	25·1	1	+ ·003	+ ·06
					− ·001	− ·01
1866	7·7	G	20·4:20·3	5:6	− ·004	− ·02
		8o	22·0	3	− ·006	+ ·03
		9o	9·9	12	− ·002	− ·04
					− ·004	·00
1867	9·6	Z	24·1	1	− ·015	+ ·01
1868	8·0	Z	23·9	2	+ ·003	− ·01
1871	9·8	Z	25·0	1	− ·013	+ ·02
1872	8·3	G	17·0	3	− ·003	+ ·06
		Z	24·1	2	− ·001	+ ·05
					− ·003	+ ·06
1873	7·2	G	21·7	5	− ·002	− ·12
		8o	23·0	3	·000	− ·09
					− ·001	− ·10
1874	8·0	G	18·8	4	− ·002	+ ·02
		Z	25·1	2	·000	+ ·09
					− ·002	+ ·03
1875	9·2	Z	24·9	1	− ·001	+ ·01
1879	7·6	G	23·0	4	− ·002	− ·03
		8o	23·0	3	− ·005	− ·01
					− ·003	− ·02
1881	8·5	G	15·7	2	− ·005	− ·06
		Z	23·7	1	− ·007	+ ·02
					− ·005	− ·04
1882	9·3	Z	25·0	1	+ ·005	+ ·09
1885	9·0	Z	24·2	1	+ ·004	+ ·03
1887	7·0	t	60·0	3:2	− ·009	− ·03
		4o	58·1:57·9	1:2	− ·004	− ·04
		5o	45·9:46·8	3:2	− ·003	− ·04
		G	23·4	6	− ·010	− ·05
		8o	22·0	3	− ·010	·00
		m	21·0	3	− ·005	− ·05
					− ·007	− ·04
1888	8·4	G	21·7	4	− ·002	+ ·04
		8o	21·0	3	− ·001	− ·03
					− ·001	·00
1889	8·3	Z	24·9	1	·000	+ ·01
1890	8·7	Z	24·1	1	− ·007	+ ·02
1893	9·0	G	15·6	3	+ ·005	− ·12
		Z	23·7	1	+ ·004	(+ ·24)
					+ ·005	− ·12
1895	8·5	Z	25·0	1	+ ·005	+ ·14
1897	9·1	Z	25·0	1	+ ·001	+ ·05
1898	8·0	G	20·1	5	− ·004	− ·01
		8o	20·0	3	− ·001	+ ·02
					− ·003	+ ·01
1899	8·2	G	18·9	3	−0·005	+0·06
		Z	25·1	2	− ·008	− ·01
					− ·006	+ ·04
1900	8·2	G	20·5	4	− ·008	+ ·04
		8o	22·0	3	− ·005	+ ·04
					− ·006	+ ·04
1901	7·8	G	19·7	5	+ ·006	+ ·24
		8o	19·8	3	+ ·008	+ ·20
					+ ·007	+ ·22
1903	9·0	Z	24·2	1	+ ·005	− ·02
1905	8·0	G	23·7	4	− ·013	− ·48
		8o	22·0	4:3	− ·012	− ·47
					− ·012	− ·47
1906	7·0	G	25·0	4	− ·007	− ·04
		8o	23·0	3	− ·005	+ ·07
					− ·006	+ ·03
1907	9·4	Z	24·9	1	− ·003	+ ·12
1908	8·6	Z	24·0	1	+ ·007	− ·03
1911	9·4	G	18·1	4	·000	− ·02
		Z	25·0	1	·000	+ ·09
					·000	− ·01
1912	9·1	Z	24·1	1	− ·009	+ ·02
1915	8·5	Z	25·0	1	− ·001	+ ·03
1916	8·8	G	19·0	3	− ·002	− ·07
		Z	25·1	3	− ·007	+ ·04
					− ·004	− ·03
1918	9·0	Z	23·8	1	+ ·012	+ ·05
1919	8·3	G	17·6	3	− ·008	− ·06
		Z	23·8	3	− ·004	− ·03
					− ·007	− ·05
1921	9·0	Z	25·0	1	− ·004	+ ·12
1922	8·4	G	22·0	4	− ·002	+ ·03
		8o	20·7	3	− ·006	+ ·01
					− ·004	+ ·02
1923	7·0	G	22·9	4	− ·001	+ ·04
		8o	23·0	3	− ·003	+ ·05
					− ·002	+ ·05
1924	8·5	G	18·8	4	+ ·002	+ ·06
		Z	25·1	2	− ·002	+ ·12
					+ ·001	+ ·07
1925	9·4	Z	25·1	1	− ·018	− ·04
1926	7·5	G	20·1	4	− ·001	+ ·02
		8o	19·5	3	− ·005	+ ·05
					− ·003	+ ·04
1927	9·0	Z	24·1	2	− ·002	− ·02
1928	9·0	Z	24·1	1	− ·002	+ ·08
1929	8·9	Z	24·0	1	·000	− ·01
1930	7·7	G	23·2	8	− ·007	+ ·03
		8o	21·9	6	− ·006	+ ·04
					− ·006	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
1931	8·5	G	17·0	3	0·000	−0·05
		Z	24·2	2	+ ·005	+ ·05
					+ ·001	− ·02
1933	9·4	Z	25·1	1	− ·005	− ·13
1934	9·5	Z	24·2	1	+ ·004	− ·05
1938	7·0	t	63·7:61·9	4:8	+ ·004	+ ·07
		40	57·9	3	− ·004	...
		50	46·1:46·6	1:3	− ·002	+ ·08
		M	30·5:30·4	4:5	·000	+ ·08
		G	22·0	5	·000	+ ·07
		80	22·0	3	+ ·002	+ ·10
					·000	+ ·08
1939	8·1	t	61·0	3	− ·006	+ ·04
		G	20·2	4	− ·012	·00
		80	20·0	3	− ·011	+ ·05
					− ·008	+ ·04
1940	8·5	G	16·8	3	− ·003	− ·04
		Z	23·9	2	− ·006	·00
					− ·004	− ·03
1941	9·1	Z	25·0	1	− ·002	+ ·13
1943	8·8	Z	25·0	1	·000	+ ·03
1945	9·8	G	17·1	3	+ ·004	+ ·02
		Z	25·0	1	− ·006	+ ·06
					+ ·003	+ ·03
1946	8·5	G	18·9	3	+ ·008	− ·06
		Z	25·1	1	− ·002	− ·08
					+ ·007	− ·06
1947	8·5	Z	24·2	1	− ·005	...
1949	7·5	G	19·6	4	− ·008	− ·06
		Ms	29·0	6	− ·011	− ·03
		80	22·0	3	− ·009	·00
					− ·009	− ·03
1950	6·8	t	60·0	3	− ·013	·00
		40	57·9	2:3	− ·003	·00
		50	46·0:46·6	3	− ·003	·00
		60	38·0	1	− ·004	+ ·02
		65	34·0:33·5	5:6	− ·006	+ ·02
		G	23·3	6	− ·006	+ ·01
		Ms	18·7	5	− ·006	− ·03
		80	22·0	3	− ·002	+ ·07
					− ·006	+ ·01
1951	8·1	G	16·8	3	− ·001	− ·04
		Z	23·9	1	− ·003	+ ·01
					− ·001	− ·03
1952	8·6	G	18·1	4	− ·006	− ·01
		Z	25·0	2	− ·002	+ ·07
					− ·005	+ ·01
1953	8·0	G	21·2	4	− ·005	·00
		80	20·4	3	− ·012	·00
					− ·008	·00
1954	7·8	40	57·9	1	+ ·002	...
		G	22·0	4	+ ·005	+ ·11
		80	22·0	3	+ ·003	+ ·14
					+ ·003	+ ·13
1956	7·0	t	60·1:59·6	7:11	−0·002	−0·04
		40	57·1:57·0	3:2	− ·002	− ·06
		50	45·0:45·7	2	− ·005	+ ·01
		65	29·0	2	− ·002	− ·08
		G	18·3	4	− ·005	− ·02
		80	19·7	3	− ·007	− ·02
					− ·003	− ·03
1957	8·5	Z	25·1	2	− ·005	+ ·08
1958	7·0	G	20·1	5	− ·006	+ ·01
		80	19·4	3	− ·003	+ ·01
					− ·005	+ ·01
1960	8·3	G	18·4	3	− ·001	− ·01
		Z	25·1	1	− ·010	+ ·05
					− ·002	·00
1962	9·2	Z	25·0	1	− ·007	+ ·05
1963	8·5	Z	25·1	2	− ·012	+ ·03
1965	8·0	G	19·3	5	− ·011	− ·07
		80	19·3	3	− ·005	− ·08
					− ·009	− ·08
1966	9·2	G	17·3	4	− ·002	− ·06
		Z	24·6	2	− ·009	− ·02
		Ms	29·4	5	− ·008	− ·01
					− ·005	− ·03
1970	7·9	t	59·6	5	− ·007	+ ·01
		G	19·2	4	− ·003	+ ·04
		80	19·9	3	− ·006	·00
					− ·006	+ ·01
1971	9·5	Z	23·9	1	− ·011	− ·02
1972	8·7	Z	23·8	1	− ·003	+ ·17
1974	9·3	Z	25·0	1	− ·006	+ ·02
1975	7·3	G	20·0	4	+ ·003	− ·02
		80	23·0	3	− ·007	+ ·03
					− ·002	+ ·01
1976	8·8	Z	24·5	2	− ·004	− ·05
1977	9·0	Z	25·0	1	− ·003	·00
		Ms	30·4	5	− ·005	− ·02
					− ·005	− ·02
1979	9·0	Z	23·9	1	− ·011	− ·08
1980	8·2	G	16·0	3	− ·001	− ·01
		Z	22·9	1	− ·003	+ ·04
					− ·001	·00
1982	7·0	t	59·0	3	− ·001	+ ·02
		G	18·6	4	− ·004	+ ·02
		80	19·7	3	+ ·002	− ·05
		90	5·1:5·6	6:5	+ ·014	− ·08
					− ·001	·00
1983	8·5	Z	25·0	1	+ ·002	− ·19
1984	9·3	Z	25·1	1	− ·010	+ ·01
1987	9·2	Z	25·2	1	− ·001	− ·09
1989	8·1	Z	25·0	1	− ·002	− ·04
1991	8·8	G	20·8	4:3	−0·003	−0·03
		80	18·8	3	− ·005	+ ·03
					− ·004	+ ·01
1992	8·1	G	18·2	3	·000	− ·02
		Z	25·1	1	− ·013	+ ·03
					− ·002	− ·01
1993	8·0	G	20·1	4	− ·005	− ·07
		80	19·2	3	− ·005	− ·07
					− ·005	− ·07
1994	7·5	t	59·6	5	− ·005	− ·04
		40	62·1	4	− ·003	...
		G	20·5	4	− ·006	− ·03
		80	22·0	3	− ·003	+ ·03
					− ·004	− ·03
1996	8·6	Z	25·0	1	− ·006	− ·01
1997	8·5	G	20·7	4	− ·001	+ ·09
		80	19·7	3	− ·003	+ ·11
					− ·002	+ ·10
1998	8·5	G	18·2	4	− ·005	− ·04
1999	7·9	G	21·9	4	− ·006	·00
		Ms	29·6	5	− ·006	·00
		80	22·0	3	− ·005	− ·01
					− ·006	·00
2001	8·6	Z	24·1	1	− ·007	− ·03
2003	9·1	Ms	25·4	5	+ ·026	·00
2004	6·5	t	61·0	3	− ·004	+ ·01
		40	58·9	1	...	− ·01
		50	47·7	2	...	+ ·02
		G	24·5:24·6	4:5	− ·004	+ ·01
		80	23·0	3	− ·003	+ ·06
					− ·004	+ ·02
2005	8·3	G	17·2	3	− ·002	− ·04
		Z	25·0	1	− ·004	+ ·04
					− ·002	− ·02
2006	7·9	G	22·2	5	+ ·002	·00
		80	23·0	3	+ ·005	+ ·03
					+ ·003	+ ·02
2007	8·9	G	23·0	3	− ·007	+ ·08
		Ms	26·3	5	− ·009	+ ·05
					− ·008	+ ·06
2009	8·8	Z	25·1	1	+ ·005	− ·12
2010	9·0	Z	23·9	1	− ·005	− ·02
2011	8·6	Z	25·0	1	− ·012	+ ·14
2013	7·2	40	57·9	2	+ ·002	...
		50	46·1	1	+ ·006	...
		G	22·0	4	+ ·006	+ ·09
		80	21·0	3:2	+ ·006	+ ·07
					+ ·004	+ ·08
2014	8·8	Z	25·0	1	+ ·001	·00
2015	9·5	Z	25·1	2	− ·010	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
2016	8·5	G	19·8	3	−0·009	−0·03
		Z	25·0	2	+ ·003	·00
		Ms	28·4	6	− ·005	− ·04
					− ·006	− ·03
2017	8·5	Z	22·5	2	− ·001	+ ·03
2018	7·9	G	16·9	3	− ·004	+ ·01
		Z	23·6	2	− ·001	+ ·04
		Ms	31·4	5	− ·004	+ ·01
					− ·004	+ ·01
2021	8·5	G	16·1	4	·000	− ·04
		Z	24·1	1	− ·002	− ·04
					·000	− ·04
2022	9·1	Z	24·1	1	− ·015	− ·10
2023	8·1	G	19·0	3	+ ·002	+ ·01
		Z	25·1	1	− ·005	− ·01
					+ ·001	+ ·01
2024	9·0	Z	24·2	1	− ·010	− ·06
2026	9·4	Z	25·0	1	·000	+ ·17
2027	7·5	t	61·0	3	− ·005	·00
		40	59·0	3:2	− ·004	− ·01
		50	47·1:47·7	4:2	·000	+ ·02
		65	31·0	3	− ·003	+ ·01
		G	24·7	5:6	− ·002	+ ·03
		80	23·0	4	·000	+ ·07
					− ·003	+ ·01
2028	9·3	Z	24·1	1	− ·009	+ ·14
2029	8·5	Z	24·9	1	− ·006	+ ·03
2033	7·3	G	22·1	5	− ·010	·00
		80	19·0	3	− ·003	− ·07
		90	1·5	3	+ ·013	·00
					− ·008	− ·04
2034	8·0	G	17·1	3	+ ·003	+ ·03
		Z	25·0	1	− ·002	− ·01
					+ ·002	+ ·02
2035	7·4	G	20·8	5	·000	+ ·01
		80	19·4	3	− ·004	+ ·02
					− ·001	+ ·02
2036	8·3	G	19·0	3	+ ·007	− ·03
		Z	25·1	2	+ ·006	− ·02
					+ ·007	− ·03
2038	8·5	G	15·0	4	− ·006	+ ·11
		Z	25·0	2	− ·011	+ ·04
					− ·007	+ ·10
2039	9·1	G	18·1	3	+ ·003	− ·06
		Z	25·0	2	+ ·001	·00
					+ ·003	− ·04
2040	8·6	Z	23·1	1	·000	+ ·07
2041	8·4	G	25·1	1	− ·001	− ·06
		Z	19·1	3	+ ·001	− ·01
					·000	− ·03
2043	9·1	Z	25·1	1	−0·012	+0·04
2046	9·2	65	36·1	3	− ·004	− ·03
		Z	25·0	1	− ·006	− ·04
		Ms	16·9	5	− ·020	− ·05
					− ·005	− ·04
2047	9·5	Z	25·0	1	− ·002	+ ·04
2049	9·3	90	2·1	3	(− ·019)	(+ ·24)
2051	8·5	G	16·1	3	+ ·001	− ·06
		Z	23·2	1	− ·008	− ·06
					·000	− ·06
2052	8·8	Z	25·1	2	− ·003	+ ·04
2053	8·6	Z	25·0	2	+ ·004	− ·03
2054	8·0	G	17·5	4	− ·004	− ·10
		Z	23·7	1	− ·006	+ ·03
					− ·004	− ·09
2059	7·9	t	61·0	3	− ·001	+ ·01
		G	23·0	4	− ·003	+ ·01
		Ms	30·2	5	− ·005	− ·02
		80	23·0	3	+ ·003	− ·01
					− ·002	·00
2060	8·0	G	17·1	4	− ·002	+ ·14
		Z	24·1	1	− ·014	+ ·13
		Ms	32·1	5	− ·007	+ ·10
					− ·006	+ ·12
2061	8·5	G	16·1	3	− ·006	− ·02
		Z	23·2	3	− ·003	·00
					− ·005	− ·01
2062	7·0	t	60·4	4	− ·013	− ·06
		40	58·9:59·0	3	− ·013	− ·05
		50	47·0:47·7	1:2	− ·016	− ·02
		65	31·0	1	− ·014	− ·06
		G	24·3	5	− ·013	− ·02
		80	22·9	3	− ·018	− ·03
					− ·014	− ·04
2063	7·8	G	16·4:16·5	3	·000	·00
		Z	22·6:22·7	1	− ·002	− ·01
					·000	·00
2064	7·9	G	17·7	3	− ·010	− ·09
		80	19·5	3	− ·004	− ·08
					− ·007	− ·08
2065	9·0	Z	23·1	1	·000	− ·01
2066	7·8	t	60·0	3	− ·002	− ·07
		40	57·9	3:1	+ ·002	− ·09
		50	45·6:46·7	2	+ ·002	− ·06
		G	21·8	4	+ ·002	− ·05
		80	21·9	3	·000	− ·05
					+ ·001	− ·07
2067	7·3	G	20·6:20·7	4	+ ·001	− ·02
		80	19·3:19·4	3	− ·005	− ·01
		85	13·7	4	+ ·004	...
					− ·001	− ·01
2068	9·1	Z	25·1	1	− ·004	− ·09
2069	7·4	t	63·7:63·8	4	+0·005	+0·03
		50	45·1:46·4	2:3	+ ·008	+ ·04
		G	23·4	5	+ ·001	+ ·03
		80	22·0	3	+ ·005	+ ·04
					+ ·005	+ ·03
2070	8·0	G	23·0	4	+ ·005	+ ·05
		80	22·9	3	− ·007	+ ·09
					− ·001	+ ·07
2071	7·6	t	59·6	3	− ·010	− ·03
		50	45·9:46·6	2	− ·014	− ·06
		G	21·4	6	− ·012	− ·01
		80	21·9	3	− ·014	+ ·01
					− ·012	− ·03
2072	8·3	G	19·2	4	− ·007	− ·02
		80	18·8	3	− ·010	·00
					− ·008	− ·01
2073	8·8	Z	25·1	2	− ·006	+ ·01
2077	6·0	t	61·5:62·3	3:4	− ·003	− ·02
		40	56·6	2	...	− ·04
		50	44·6:45·2	1:2	− ·005	− ·02
		G	18·3:18·0	12:13	− ·008	− ·02
		Ms	18·5	5	− ·008	− ·07
		80	18·8	3	·000	− ·05
					− ·005	− ·03
2078	7·3	t	63·7:63·8	4	− ·003	·00
		40	57·9	3	...	+ ·03
		50	46·1:46·6	2	− ·004	+ ·06
		G	23·5	8	− ·006	+ ·01
		80	20·3	3	− ·006	− ·01
					− ·004	+ ·02
2079	8·5	t	60·0	3	− ·005	− ·02
		G	22·0	4	− ·001	·00
		80	20·3	3	− ·005	− ·01
					− ·004	− ·01
2080	8·0	G	17·7	3	− ·008	− ·11
		Z	23·9	1	− ·005	− ·03
					− ·008	− ·09
2081	8·6	G	19·0	3	− ·003	− ·07
		Z	24·5	4	− ·002	− ·03
					− ·003	− ·05
2083	7·8	G	19·4	4	− ·009	+ ·04
		80	18·6	3	− ·008	− ·02
					− ·008	·00
2084	8·5	G	19·0	3	− ·006	− ·03
		Z	25·0	2	− ·005	− ·01
					− ·006	− ·02
2085	8·8	Z	25·0	1	− ·009	+ ·03
2087	7·5	G	20·3	4	− ·001	− ·04
		80	19·0	3	− ·004	− ·07
					− ·002	− ·06
2088	9·1	Z	23·9	1	− ·005	·00
2089	7·5	t	58·8	3	− ·011	+ ·02
		G	20·7	4	− ·011	+ ·02
		80	18·5	3	− ·009	+ ·02
					− ·011	+ ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2090	9·3	Z	24·1	1	−0·011	+0·04
2092	6·0	t	62·2:62·1	4:5	+ ·001	+ ·04
		40	56·5	3:2	− ·005	+ ·04
		50	44·6:45·1	2:3	− ·007	+ ·05
		G	22·0	6	− ·005	+ ·06
		80	19·2	3	− ·009	+ ·05
					− ·004	+ ·05
2093	9·0	Z	23·9	1	− ·010	+ ·03
2094	9·2	Z	25·1	1	+ ·006	+ ·04
2095	7·7	G	22·9	4	− ·005	+ ·01
		80	22·9	3	− ·007	+ ·07
		90	6·7	5	− ·015	+ ·01
					− ·006	+ ·05
2096	6·5	t	62·9:63·7	3:4	− ·009	− ·01
		40	57·9	4:3	− ·003	− ·01
		50	46·0:46·7	2	− ·005	− ·01
		65	30·0	3	+ ·001	− ·09
		G	23·3	8	− ·004	− ·05
		80	23·2	4	− ·008	+ ·04
					− ·004	− ·02
2097	8·1	G	19·0	5	− ·004	− ·04
		Z	25·1	2	− ·006	·00
					− ·004	− ·03
2098	8·4	G	21·8	5	− ·004	− ·02
		80	21·0	3	− ·005	− ·01
					− ·004	− ·01
2099	8·9	Z	25·0	1	·000	+ ·02
2101	8·9	G	18·9	3	− ·005	+ ·07
		Z	25·1	1	+ ·004	+ ·14
					− ·004	+ ·08
2103	7·9	G	23·0	4	− ·003	− ·03
		80	22·9	3	− ·006	+ ·02
					− ·004	·00
2104	7·5	t	58·2	4	− ·011	− ·01
		G	20·1	4	− ·002	+ ·03
		80	19·2	3	− ·006	− ·05
					− ·009	− ·01
2106	8·3	Z	24·0	1	− ·009	− ·16
2108	9·4	Z	24·0	1	+ ·002	+ ·01
2109	8·8	G	19·0	3	− ·001	− ·02
		Z	25·4	3	− ·006	+ ·02
					− ·003	− ·01
2110	9·0	Z	24·1	1	− ·007	+ ·03
2111	8·5	Z	22·9	1	·000	+ ·03
		Ms	32·2	5	− ·002	+ ·02
					− ·002	+ ·02
2112	8·8	Z	25·1	1	+ ·001	+ ·03
2113	8·4	G	18·0	3	− ·001	− ·07
		Z	25·1	1	·000	+ ·06
					− ·001	− ·04
2114	8·8	Z	25·0	1	+ ·002	− ·01
2115	7·5	G	20·2	4	−0·002	+0·05
		80	19·2	3	− ·006	+ ·03
					− ·004	+ ·04
2116	9·4	G	15·9	1	+ ·003	+ ·04
		Z	23·9	1	+ ·004	+ ·18
					+ ·003	+ ·09
2117	7·3	t	60·1:60·0	7:5	− ·003	− ·04
		G	22·5:22·4	16:17	− ·005	− ·04
		80	22·0	3	− ·005	− ·02
					− ·004	− ·04
2119	8·8	Z	24·9	1	+ ·004	− ·10
2121	8·8	G	18·2	3	+ ·007	+ ·04
		Z	25·6	2	·000	+ ·07
					+ ·006	+ ·05
2123	8·8	G	18·1	3	+ ·005	·00
		Z	25·6	2	− ·001	+ ·04
					+ ·004	+ ·01
2124	9·4	Z	23·9	1	− ·008	+ ·01
2125	9·0	t	56·9	7	− ·004	·00
		G	18·2	4	− ·003	− ·05
		80	17·2	2	− ·012	− ·07
					− ·004	− ·01
2126	9·0	G	17·1	2	− ·002	− ·07
		Z	25·0	1	− ·005	− ·09
					− ·003	− ·07
2127	8·6	G	17·9	3	− ·004	+ ·01
		Z	25·1	1	− ·004	+ ·04
					− ·004	+ ·02
2128	9·3	Z	25·1	1	− ·001	+ ·02
2129	8·5	Z	25·1	2	− ·012	+ ·03
2130	9·0	Z	24·6	2	+ ·009	− ·04
		Ms	29·0	5	− ·006	+ ·01
					− ·003	·00
2132	8·1	G	25·3	16	− ·004	− ·02
		Z	24·6	2	·000	− ·01
					− ·004	− ·02
2133	9·4	Z	25·1	1	− ·008	·00
2134	9·3	Z	25·1	1	− ·006	− ·04
2136	9·3	Z	23·5	2	− ·004	− ·08
2138	8·4	G	18·9	3	− ·001	+ ·05
		Z	24·9	1	− ·010	+ ·11
					− ·002	+ ·06
2139	8·1	G	21·5	7	− ·003	·00
		80	23·0	3	− ·001	+ ·02
					− ·002	+ ·01
2140	9·0	Z	22·5	1	+ ·001	− ·02
2141	9·3	Z	25·1	1	+ ·002	+ ·15
2142	8·5	G	18·2	2	− ·002	− ·03
		80	23·0	3	+ ·003	+ ·03
					+ ·001	+ ·01
2143	8·0	G	20·6	4	−0·002	0·00
		80	19·6	3	− ·007	+ ·01
					− ·004	+ ·01
2144	8·7	Z	24·1	1	− ·006	+ ·02
2146	9·0	Z	24·2	1	− ·005	− ·01
2147	7·0	t	60·9	3	− ·002	+ ·01
		50	47·0:47·7	2	− ·003	− ·01
		65	31·0	3	+ ·001	+ ·01
		G	23·9	4	− ·006	+ ·05
		80	22·9	3	− ·005	+ ·03
					− ·002	+ ·01
2148	8·1	Z	24·1	2	− ·006	− ·02
2150	8·1	Z	26·0	1	·000	·00
2152	8·5	Z	23·5	1	− ·002	+ ·01
2153	9·1	Z	24·0	1	+ ·003	+ ·07
2154	8·5	Z	24·0	1	+ ·015	− ·08
2156	9·3	Z	25·0	1	− ·007	·00
2157	8·8	Z	25·1	1	− ·003	+ ·04
2159	8·4	G	17·9	3	+ ·019	+ ·01
		Z	25·0	1	+ ·023	+ ·05
					+ ·020	+ ·02
2161	9·0	Z	24·2	1	− ·006	− ·07
2163	9·0	G	15·6	4	+ ·002	− ·03
		Z	23·6	1	− ·004	− ·03
					+ ·001	− ·03
2165	8·7	Z	25·5	2	− ·015	+ ·03
2167	7·0	G	24·2	4	·000	+ ·05
		Z	23·0	3	+ ·002	+ ·04
					+ ·001	+ ·05
2168	9·0	Z	23·8	1	− ·005	− ·05
2169	7·7	G	22·8	3	− ·009	− ·03
		80	21·9	3	− ·003	− ·02
					− ·006	− ·02
2170	8·8	Z	24·1	2	− ·002	− ·05
2171	9·3	Z	23·7	1	− ·021	·00
2172	8·4	Z	25·0	1	− ·003	+ ·07
2174	9·3	Z	26·1	1	− ·001	·00
2175	8·5	G	17·1	1	+ ·017	− ·09
		Z	25·1	1	+ ·008	− ·10
					+ ·014	− ·09
2176	8·6	Z	25·0	1	+ ·002	+ ·09
2178	9·0	Z	23·1	1	− ·007	+ ·03
2179	8·2	G	18·0	4	+ ·030	+ ·14
		Z	25·1	2	+ ·033	+ ·19
					+ ·031	+ ·15

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2181	7·5	G	22·1	3	−0·012	+0·72
		80	19·8	3	− ·015	+ ·74
					− ·013	+ ·73
2183	8·0	G	23·0	4	− ·004	·00
		80	22·9	3	− ·003	+ ·06
					− ·003	+ ·04
2184	9·0	Z	24·1	1	− ·002	+ ·03
2186	8·8	Z	25·1	1	+ ·004	+ ·01
2187	9·5	G	15·7	3	− ·001	− ·12
		Z	23·7	1	− ·007	− ·05
					− ·002	− ·11
2188	8·8	Z	26·1	1	+ ·006	+ ·13
2189	8·3	Z	25·0	1	·000	− ·01
2190	6·0	40	59·0	3:2	− ·004	− ·06
		50	46·9:47·6	2	− ·005	− ·02
		G	24·9	3	− ·008	·00
		Ms	20·0	5	+ ·006	− ·05
		80	23·0	3	− ·006	+ ·03
		m	19·0	3	− ·001	− ·04
					− ·004	− ·03
2193	8·7	Z	25·1	1	− ·001	+ ·13
2196	8·6	Z	23·8	1	− ·003	− ·03
2198	8·5	G	25·1	6:5	− ·004	+ ·05
		Z	25·0	1	·000	+ ·03
					− ·004	+ ·05
2199	8·1	Z	24·5	2	− ·002	+ ·05
2201	8·0	t	62·6:62·7	3:4	+ ·001	+ ·07
		G	21·0	4	+ ·001	+ ·07
		Ms	23·8	10	·000	+ ·12
		80	21·1	5	− ·006	+ ·10
					− ·001	+ ·09
2205	8·7	Z	25·1	1	+ ·006	·00
2206	8·5	G	17·5	3:1	− ·008	+ ·04
		Z	23·8	1	− ·005	+ ·03
					− ·008	+ ·04
2207	8·0	t	58·3	3	− ·004	·00
		40	56·3:56·2	2	+ ·001	·00
		50	44·6:44·8	3:2	+ ·001	+ ·02
		65	28·2	1	− ·001	+ ·06
		G	19·7	5	+ ·001	− ·03
		80	19·3	3	+ ·002	− ·05
					·000	·00
2208	8·7	Z	24·1	1	− ·006	− ·04
2209	7·5	G	23·0	4	− ·005	+ ·02
		80	22·0	3	− ·002	+ ·03
					− ·003	+ ·03
2210	8·9	Z	25·1	1	− ·008	·00
2211	8·0	G	17·5	3	− ·005	− ·10
		Z	23·7	1	− ·002	− ·05
					− ·005	− ·09
2212	8·3	G	19·0	3	−0·001	−0·02
		Z	25·5	2	− ·001	− ·02
					− ·001	− ·02
2213	8·5	Z	23·9	1	− ·002	− ·03
2214	8·0	G	17·5	3	− ·012	− ·01
		Z	23·8	1	− ·002	+ ·03
					− ·011	·00
2217	8·5	G	18·9	3	− ·001	− ·01
		Z	24·9	1	− ·004	− ·03
					− ·001	− ·01
2221	8·4	Z	24·7	3	− ·002	+ ·02
2223	8·9	Z	25·1	1	+ ·009	− ·05
2224	8·6	Z	25·2	1	·000	− ·01
2225	8·0	G	18·9	3	− ·004	− ·01
		Z	25·0	2	− ·003	·00
					− ·004	− ·01
2226	6·0	t	61·0:61·1	3	+ ·007	+ ·08
		40	62·1:60·0	4:3	+ ·008	+ ·08
		50	47·2:47·7	2	+ ·006	+ ·10
		G	23·4	5	+ ·010	+ ·12
		Z	23·0	3	+ ·008	+ ·14
					+ ·008	+ ·09
2227	8·0	G	17·2	3	+ ·003	·00
		Z	24·6	2	+ ·005	+ ·02
					+ ·003	+ ·01
2228	8·0	G	16·0	3	− ·008	− ·06
		Z	23·2	2	− ·010	− ·03
					− ·008	− ·05
2229	7·6	t	59·9	3	− ·001	− ·04
		G	21·7	7	− ·001	− ·04
		80	22·0	6	+ ·003	− ·02
		m	17·9	3	·000	− ·10
					·000	− ·04
2230	8·5	G	15·2	3	+ ·003	− ·08
		Z	22·1	1	− ·009	− ·06
		Ms	28·4	5	− ·006	·00
					− ·002	− ·03
2231	9·3	Z	25·2	1	− ·002	+ ·01
2232	8·9	Z	23·1	1	+ ·003	+ ·03
		Ms	29·5	5	− ·002	+ ·05
					− ·001	+ ·05
2233	8·1	Z	23·9	1	+ ·010	+ ·03
		80	18·7	4:3	− ·010	− ·01
					− ·007	− ·01
2235	8·5	Z	25·1	1	·000	+ ·02
2237	8·8	Z	23·6	2	− ·002	·00
2239	7·2	G	25·1	4	− ·003	− ·11
		Ms	18·0	5	− ·009	− ·13
		80	23·0	3	+ ·003	− ·10
					− ·001	− ·11
2240	7·9	t	59·7	7	−0·005	−0·02
		G	20·0	4	− ·003	+ ·05
		80	23·0	3	+ ·001	+ ·06
					− ·004	·00
2242	8·0	Z	24·0	1	− ·001	·00
2243	8·3	G	17·8	3	− ·001	− ·03
		Z	24·5	2	− ·002	·00
					− ·001	− ·02
2244	7·6	t	58·7:58·6	3	− ·004	− ·07
		50	44·6:45·3	2	− ·002	− ·05
		G	18·6	5	− ·004	− ·03
		80	19·6:19·5	3	− ·006	− ·09
					− ·004	− ·06
2245	8·5	Z	23·9	1	− ·008	− ·03
2248	8·8	G	18·9	3	− ·006	+ ·15
2249	8·3	Z	25·1	2	·000	+ ·02
2250	9·4	Z	23·7	2	− ·008	− ·03
2251	8·8	G	19·9	5	− ·003	− ·18
2252	9·3	G	15·7	3	+ ·008	− ·04
		Z	22·7	1	·000	+ ·04
					+ ·007	− ·02
2253	8·4	G	17·9	3	− ·002	− ·03
		Z	24·0	1	− ·003	− ·02
					− ·002	− ·03
2254	8·5	G	15·8	3	− ·001	− ·01
		Z	23·8	1	− ·002	·00
					− ·001	− ·01
2255	9·1	Z	25·2	1	·000	+ ·02
2257	7·5	G	16·8	3	·000	− ·06
		Z	23·4	2	− ·010	− ·01
					− ·002	− ·04
2258	7·4	t	61·1	3	+ ·002	+ ·13
		50	47·2:47·8	1:2	− ·003	+ ·12
		G	23·1	4	− ·002	+ ·13
		80	23·0	4	·000	+ ·19
					·000	+ ·14
2259	7·0	t	57·6:57·5	9:7	− ·005	− ·02
		G	20·9	6	− ·008	− ·02
		80	19·1	3	− ·001	− ·03
					− ·005	− ·02
2260	8·3	Z	25·0	2	− ·003	+ ·07
2261	8·0	G	21·3	5	− ·005	+ ·04
		80	20·9	3	− ·008	− ·01
					− ·006	+ ·01
2262	8·1	Z	25·1	1	·000	+ ·07
2263	9·0	G	19·0	2	− ·005	− ·02
		Z	25·0	2	− ·008	+ ·03
					− ·006	·00
2265	8·5	Z	23·6:23·7	1	− ·015	− ·05
2267	8·5	Z	25·0	1	+ ·002	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2268	9·3	Z	22·9	2	−0·001	0·00
		Ms	28·9	5	− ·001	+ ·01
					− ·001	+ ·01
2269	7·1	t	60·6	3	− ·012	+ ·03
		G	22·4	5	− ·008	− ·01
		Ms	17·9	5	− ·018	− ·06
		8o	22·9	3	− ·008	+ ·03
					− ·010	+ ·02
2270	9·1	Z	25·1	1	− ·008	− ·03
2273	8·0	G	19·0	3	− ·002	− ·01
2276	8·8	Z	25·1	1	+ ·007	+ ·09
2277	7·5	t	58·2	2	− ·011	+ ·03
		G	20·8	5	− ·007	·00
		8o	19·2	3	− ·008	+ ·03
					− ·009	+ ·02
2278	8·4	G	18·9	3	− ·004	− ·01
		Z	25·0	2	− ·002	+ ·04
					− ·004	+ ·01
2279	9·4	Z	25·1	1	− ·001	·00
2281	8·5	Z	24·1	1	+ ·002	− ·04
		8o	18·7	3	− ·010	− ·01
					− ·008	− ·01
2282	9·0	Z	24·2	2	− ·005	+ ·02
2283	8·5	Z	25·0	1	+ ·016	− ·10
2285	8·3	t	58·5:58·9	3	− ·004	− ·04
		4o	56·8	1	...	− ·02
		5o	44·8:46·0	1	− ·003	·00
		G	20·8	4	− ·002	− ·08
		8o	19·4	3	− ·003	− ·06
					− ·003	− ·04
2286	7·3	t	59·7:59·9	4:3	− ·005	+ ·01
		4o	58·0	2:1	− ·002	·00
		5o	46·1	2	− ·004	...
		G	23·5	6	− ·004	·00
		8o	22·0	3	·000	− ·01
					− ·003	·00
2287	8·3	Z	25·1	1	·000	− ·02
2288	8·5	G	19·9	3	− ·001	− ·15
		Z	24·9	2	·000	− ·12
					− ·001	− ·14
2289	9·0	Z	25·0	1	− ·002	+ ·14
2291	9·1	Z	25·1	1	·000	+ ·05
2292	8·0	G	17·3	3	− ·015	+ ·06
		Z	23·5	1	− ·012	− ·05
					− ·015	+ ·04
2293	7·5	G	19·9:19·8	4:5	− ·004	− ·02
		8o	19·7	4	+ ·002	− ·03
					− ·001	− ·03
2295	9·3	Z	25·1	1	− ·008	+ ·02
2296	9·0	Z	25·2	1	− ·004	+ ·07
2297	9·3	Z	23·9	2	− ·008	− ·07
2301	8·0	G	15·7	1	−0·002	−0·07
		Z	22·7	1	− ·008	− ·01
					− ·004	− ·05
2302	9·0	Z	23·1	1	− ·001	+ ·01
		Ms	30·4	5	− ·005	·00
					− ·005	·00
2304	8·8	Z	26·1	1	+ ·002	− ·01
2305	8·0	G	19·0	3	− ·005	+ ·02
		Z	25·1	1	+ ·002	+ ·04
					− ·004	+ ·02
2306	8·6	Z	25·0	1	− ·004	+ ·02
2307	8·5	Z	23·4	1	− ·014	+ ·12
2308	8·4	Z	25·0	2	− ·012	+ ·03
2309	8·5	Z	23·2	2	− ·004	+ ·01
		Ms	31·2	6	− ·003	− ·02
					− ·003	− ·02
2311	8·5	G	15·8	3	− ·001	+ ·01
		Z	23·7	1	+ ·002	− ·01
					− ·001	+ ·01
2312	9·5	Z	23·8	1	− ·012	− ·01
2314	7·4	G	21·9	4	− ·005	+ ·03
		Z	24·6	2	− ·002	+ ·07
					− ·004	+ ·04
2315	7·5	t	59·7	4	− ·004	− ·02
		G	21·9	5	− ·002	+ ·01
		8o	22·0	3	·000	− ·04
					− ·003	− ·02
2316	9·2	Z	24·1	1	− ·005	·00
2317	8·5	Z	24·9	1	− ·007	+ ·04
2321	8·0	Z	22·2	1	− ·009	− ·03
		Ms	25·9	12	− ·005	− ·01
					− ·005	− ·01
2322	8·2	Z	25·0	1	+ ·004	+ ·01
2323	7·5	t	59·6	3	− ·004	− ·01
		4o	61·0	4	·000	...
		5o	46·3:46·4	2:3	− ·003	− ·03
		G	21·2:21·3	7:6	+ ·002	+ ·05
		8o	22·0	3	− ·001	·00
		m	20·9	3	+ ·002	− ·04
		9o	9·7	18	+ ·008	− ·01
					·000	− ·01
2324	9·5	Z	23·8	1	− ·006	+ ·03
2325	6·0	G	24·6:24·5	6:5	− ·006	− ·07
		8o	22·9	3	− ·002	− ·08
					− ·005	− ·08
2326	7·0	G	21·9	5	− ·004	+ ·03
		8o	23·0	3	− ·008	+ ·04
					− ·005	+ ·04
2327	8·5	G	19·7	1	− ·014	+ ·10
2328	7·8	Z	25·0	1	− ·005	− ·07
2329	8·1	G	17·1	3	0·000	−0·07
		Z	25·0	1	+ ·002	·00
					·000	− ·06
2330	8·5	G	15·4	3	− ·006	·00
		Z	23·4	1	− ·007	− ·04
					− ·006	− ·01
2331	7·5	t	57·8:58·0	4:3	− ·004	+ ·09
		5o	44·1:44·7	4:2	− ·002	+ ·03
		G	20·5	7	− ·004	+ ·06
		8o	19·1	3	− ·004	− ·03
					− ·003	+ ·05
2332	9·0	Z	25·2	1	− ·003	·00
2333	8·5	Z	22·5	1	+ ·001	− ·07
2335	8·5	Z	25·1	1	+ ·008	+ ·04
2337	9·3	Z	24·2	2	− ·007	− ·05
2339	7·8	G	22·1	6	− ·007	+ ·13
		8o	19·6	3	− ·007	+ ·08
					− ·007	+ ·10
2340	8·2	Z	25·6	2	+ ·003	+ ·02
2342	9·0	Z	23·2	2	− ·004	+ ·01
2343	8·5	Z	25·0	1	+ ·002	+ ·14
2345	8·0	Z	25·0	1	− ·004	+ ·10
2346	8·8	Z	25·0	2	+ ·002	+ ·04
2347	8·6	Z	25·0	1	− ·005	− ·08
2348	3·0	t	66·8:67·5	7:10	·000	− ·10
		4o	59·0	3	+ ·002	...
		5o	47·2:47·8	2	+ ·001	− ·10
		M	35·0	4:3	+ ·001	− ·06
		G	23·0	4:3	+ ·005	− ·07
		Ms	22·0	5	+ ·001	− ·07
		8o	23·0	4	+ ·004	− ·04
		85	14·9	4	− ·006	− ·06
		9o	8·1	3	·000	− ·05
					+ ·001	− ·08
2351	7·5	t	58·4	3	− ·005	+ ·03
		G	21·3	4	− ·005	− ·01
		8o	19·4	3	− ·004	− ·02
					− ·005	+ ·01
2352	8·3	Z	25·0	1	− ·002	− ·04
2354	8·5	Z	23·2	1	+ ·001	− ·14
2355	8·5	Z	25·1	1	− ·005	+ ·04
2356	7·5	G	24·4	5	+ ·002	+ ·01
		8o	23·0	3	+ ·007	·00
					+ ·004	·00
2357	7·8	t	60·9	3	+ ·005	+ ·03
		G	19·5	4	·000	− ·02
		8o	22·0	3	− ·007	+ ·01
					+ ·002	+ ·02
2358	8·5	Z	24·9	1	− ·005	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2359	7·7	t	58·4	3	−0·005	−0·03
		5o	44·5:45·2	2	·000	+ ·01
		65	28·5	3	− ·002	− ·02
		G	21·9	6	− ·005	− ·02
		8o	19·4	3	− ·005	− ·05
					− ·003	− ·02
2360	8·5	G	17·9	3	+ ·004	− ·08
2361	7·0	G	22·2	7	− ·006	− ·04
		8o	20·0	3	− ·005	− ·03
					− ·006	− ·03
2362	9·0	Z	23·1	1	+ ·001	+ ·01
2363	7·8	G	17·9	3	− ·004	− ·06
		Z	25·1	3	+ ·006	− ·03
					− ·001	− ·05
2364	7·5	t	58·7	3	− ·005	·00
		G	21·7	4	− ·004	+ ·01
		8o	19·8	3	− ·008	− ·03
					− ·005	·00
2365	8·5	Z	25·0	1	+ ·006	− ·02
2366	8·8	Z	23·1	2	·000	− ·03
2367	8·5	Z	24·9	1	− ·006	+ ·04
2369	8·3	G	17·9	3	− ·002	− ·07
		Z	25·1	1	·000	+ ·05
					− ·002	− ·05
2370	9·3	Z	23·1	1	− ·002	+ ·04
2371	6·5	t	61·8:61·9	4	+ ·004	+ ·02
		4o	56·2:56·0	1:3	·000	+ ·02
		5o	44·0:44·8	2	− ·003	+ ·02
		G	21·1	4	− ·003	+ ·01
		8o	19·1	3	+ ·004	·00
		m	19·0	3	− ·002	− ·02
					+ ·001	+ ·01
2372	8·9	Z	25·0	1	− ·004	− ·01
2374	9·1	Z	24·1	1	+ ·008	+ ·06
2375	7·3	t	61·1	3	− ·010	+ ·19
		5ó	47·0:47·6	2:3	− ·004	+ ·20
		G	24·8	4	− ·009	+ ·26
		8o	23·0	3	− ·005	+ ·25
					− ·007	+ ·21
2376	7·5	G	18·6	5	− ·008	− ·04
		8o	20·0	3	− ·009	− ·01
					− ·008	− ·02
2378	9·0	G	15·8	3	− ·001	− ·04
		Z	22·6	3	·000	+ ·03
					− ·001	− ·02
2379	8·8	Z	25·0	1	− ·003	− ·05
2380	9·1	Z	25·1	1	− ·012	− ·04
2382	8·7	Z	22·8	3	− ·007	+ ·01
		Ms	27·5	5	− ·004	− ·01
					− ·005	− ·01
2385	5·5	t	60·8	4	−0·004	0·00
		4o	62·1:59·0	4:3	·000	− ·01
		5o	46·9:47·7	2	− ·003	+ ·02
		G	23·1	5	− ·003	+ ·03
		8o	23·0	3	·000	+ ·06
					− ·002	+ ·01
2387	8·0	t	60·9	3	− ·001	− ·01
		G	21·4	5	− ·007	− ·02
		8o	23·0	3	+ ·001	+ ·01
					− ·003	− ·01
2388	8·4	t	61·1	3	− ·009	+ ·01
		G	20·6	5	− ·011	+ ·06
		8o	23·1	3	− ·002	+ ·07
					− ·008	+ ·03
2390	8·8	Z	22·0	2	− ·006	− ·06
2391	8·6	Z	25·0	1	− ·007	·00
2393	8·8	Z	25·1	1	+ ·002	− ·04
2394	7·2	G	23·4	7	− ·007	+ ·01
		8o	22·0	3	− ·001	+ ·02
					− ·005	+ ·01
2396	8·8	Z	24·2	1	− ·007	− ·07
2397	7·8	G	20·6	4	− ·003	+ ·01
		8o	23·0	3	− ·007	+ ·04
					− ·005	+ ·03
2398	9·3	Z	23·6	1	+ ·005	− ·03
2399	8·3	Z	25·0	1	− ·004	+ ·04
2401	8·5	Z	23·4	1	− ·004	+ ·06
2402	7·3	G	22·5	7	− ·006	− ·03
		8o	21·9	3	− ·006	− ·01
					− ·006	− ·02
2403	8·4	Z	25·0	2	− ·008	− ·01
2404	8·0	G	19·1	4	− ·002	− ·02
		8o	22·0	3	·000	·00
					− ·001	− ·01
2406	9·0	Z	25·1	1	+ ·002	− ·17
2407	7·0	t	58·2	3	+ ·003	+ ·08
		G	19·4	5	+ ·001	+ ·05
		8o	19·2	3	+ ·002	+ ·04
					+ ·002	+ ·07
2409	8·5	G	16·7	3	·000	·00
		Z	23·6	3	− ·007	− ·01
					− ·002	·00
2410	9·2	Z	25·0	2	+ ·005	− ·02
2411	8·8	Z	23·3	2	+ ·002	− ·13
2412	7·3	t	60·8:61·0	4:3	− ·002	− ·05
		5o	47·0:47·7	2	·000	− ·03
		G	23·1	3:4	− ·002	− ·01
		8o	23·0	3	− ·004	+ ·01
					− ·002	− ·03
2413	8·4	G	20·6	4	−0·004	−0·02
		Z	25·1	1	− ·004	− ·03
					− ·004	− ·02
2415	9·0	Z	25·0	2	− ·012	+ ·01
2417	7·1	t	61·0	3	− ·001	+ ·01
		G	23·3	7	− ·007	− ·01
		8o	22·8	4	·000	+ ·04
					− ·003	+ ·01
2420	9·1	Z	25·0	1	− ·002	− ·05
2421	7·0	t	62·5	4	·000	− ·05
		4o	56·8:56·7	1:2	− ·003	− ·04
		5o	44·8:45·2	2:3	− ·003	− ·02
		G	21·9	5	− ·006	− ·08
		8o	19·7	3	·000	− ·09
		85	13·8	3	+ ·004	...
					− ·002	− ·04
2422	7·5	t	58·7	4	− ·001	− ·03
		G	22·3	5	− ·006	− ·03
		8o	20·0	3	+ ·001	− ·02
					− ·002	− ·03
2423	9·3	Z	25·0	2	− ·003	− ·04
2424	8·6	Z	24·6	2	+ ·002	+ ·01
2425	9·2	Z	23·6	2	− ·014	+ ·04
2426	7·5	G	19·8	5	− ·005	− ·05
		8o	19·2	3	− ·011	− ·05
					− ·007	− ·05
2428	7·9	G	18·9	3	− ·009	− ·03
		Z	25·0	1	− ·006	− ·04
					− ·009	− ·03
2429	7·0	G	22·9	4	− ·005	+ ·07
		8o	23·0	3	+ ·001	+ ·03
					− ·002	+ ·05
2430	9·4	Z	23·6	2	− ·009	− ·04
2431	9·5	Z	23·3	2	− ·001	− ·06
2432	9·5	Z	23·8	1	·000	+ ·05
2434	8·8	Z	23·9	1	− ·009	+ ·05
2435	7·0	G	21·1	4	− ·005	− ·01
		8o	19·2	3	+ ·001	− ·02
					− ·002	− ·02
2437	8·4	Z	23·0	2	− ·001	− ·03
2438	8·5	Z	23·3	2	− ·007	·00
2440	8·5	Z	23·1	2	− ·008	+ ·03
2441	7·0	G	23·0	4	− ·008	+ ·06
		Ms	28·9	1	− ·010	+ ·05
		8o	23·0	3	+ ·002	+ ·08
					− ·004	+ ·07
2442	7·0	t	61·6:61·9	3	− ·003	+ ·01
		4ó	56·2:56·0	1:2	− ·006	− ·01
		5o	44·2:44·8	2	− ·006	+ ·03
		G	17·7	4	− ·011	+ ·02
		8o	19·0	3	− ·001	− ·02
					− ·005	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
2444	8·8	Z	25·0	1	−0·007	0·00
2445	7·7	G	17·2	3	·000	− ·11
		Z	25·0	1	− ·006	− ·03
					− ·001	− ·09
2447	8·7	Z	24·4	2	·000	− ·04
2448	8·9	Z	25·6	2	− ·002	− ·06
2449	9·0	Z	25·6	2	− ·005	− ·03
2450	8·1	Z	23·9	1	− ·005	+ ·01
2452	8·9	Z	25·0	1	− ·005	− ·09
2454	9·3	Z	22·5	2	− ·004	− ·02
2455	8·9	Z	25·0	1	...	− ·03
		90	11·0	5	− ·001	− ·05
					− ·001	− ·05
2456	8·3	G	20·0	5	− ·003	+ ·04
		80	23·1	3	− ·001	+ ·05
					− ·002	+ ·05
2457	9·0	Z	23·1	1	·000	− ·03
2458	6·5	t	60·9	3	− ·010	+ ·02
		40	59·0	4:2	− ·005	+ ·02
		50	47·1:47·8	2	− ·003	+ ·08
		65	31·0	3	− ·003	+ ·04
		G	24·4	5	− ·006	+ ·09
		80	23·0	3	·000	+ ·11
		90	10·3	6	+ ·001	+ ·09
					− ·005	+ ·05
2459	9·5	Z	22·3	1	− ·010	·00
2460	8·8	Z	26·1	1	− ·003	− ·03
2461	8·3	Z	24·0	1	− ·002	+ ·04
2462	8·0	G	20·0	3	− ·006	− ·04
2464	7·8	50	46·9	3	+ ·001	...
		G	23·1	5	− ·008	·00
		80	23·2:22·3	5:4	− ·004	+ ·02
					− ·003	+ ·01
2465	9·0	Z	23·8	1	− ·010	− ·02
2469	8·2	G	18·9	3	− ·008	·00
		Z	25·0	2	− ·009	− ·05
					− ·008	− ·02
2470	8·5	Z	24·9	1	− ·008	·00
2471	8·5	t	58·3	2	− ·010	− ·02
		G	16·7:17·0	5:6	− ·007	− ·04
		Ms	30·6	5	− ·003	+ ·01
		80	19·4	3	− ·010	− ·03
					− ·007	− ·02
2472	8·5	G	18·1	4	+ ·002	+ ·01
		Z	25·0	1	− ·012	− ·04
					·000	·00
2473	9·5	Z	24·0	1	− ·010	− ·01
2474	7·5	G	21·7	4	− ·007	− ·08
		80	19·7	3	− ·002	− ·02
					− ·004	− ·04
2475	8·5	G	19·1	3	−0·009	−0·06
		Z	25·0	2	− ·006	− ·02
					− ·008	− ·05
2477	8·8	Z	26·1	1	− ·003	+ ·08
2478	9·0	Z	22·9	1	− ·011	+ ·01
2479	5·5	40	59·1:59·0	1:4	− ·005	+ ·19
		50	47·0	1	...	+ ·19
		G	22·5	5	− ·003	+ ·22
		80	23·0	3	− ·003	+ ·23
					− ·004	+ ·20
2480	9·0	Z	25·0	2	− ·002	·00
2481	8·6	G	17·2	3	− ·006	− ·05
		Z	23·9	1	− ·004	− ·01
					− ·006	− ·04
2483	8·0	G	19·0	3	− ·001	+ ·76
		Z	25·6	2	·000	+ ·78
					− ·001	+ ·77
2484	8·3	G	18·0	3	− ·002	− ·05
		Z	23·9	1	− ·005	− ·03
					− ·002	− ·05
2485	9·0	G	21·8	4	− ·008	·00
		Z	23·6	3	− ·009	+ ·03
					− ·008	+ ·01
2487	9·5	Z	24·0	1	− ·006	− ·02
2488	8·5	G	20·1:18·1	3:2	+ ·001	+ ·02
		Z	24·9	1	− ·005	+ ·02
					·000	+ ·02
2489	8·0	G	16·9	4	− ·004	− ·05
		Z	22·3	1	− ·004	− ·01
					− ·004	− ·05
2490	5·0	t	65·4	13	− ·015	+ ·09
		40	57·9:58·0	4:3	− ·017	+ ·08
		50	46·0:46·8	2	− ·016	+ ·09
		65	32·8	3	− ·019	+ ·09
		M	28·9	3	− ·017	+ ·10
		G	20·2	5	− ·019	+ ·08
		Ms	19·9	5	− ·023	+ ·08
		80	22·0	3	− ·016	+ ·12
		90	9·4	12	− ·015	+ ·11
					− ·017	+ ·09
2491	7·5	G	19·9	5	− ·006	− ·03
		80	20·0	3	− ·012	− ·03
					− ·008	− ·03
2492	8·0	G	19·0	3	·000	+ ·01
		Z	25·4	3	− ·001	− ·02
					·000	·00
2495	9·3	Z	24·0	3	− ·013	+ ·05
2497	5·5	t	65·6:66·5	10	− ·002	− ·11
		40	58·0	1	...	− ·12
		50	46·0:46·5	2:3	− ·005	− ·12
		M	27·9	3	− ·004	− ·13
		G	23·1	4	− ·004	− ·10
		Ms	20·0	5	+ ·001	− ·15
		80	20·9	3	− ·007	− ·17
		90	4·0	12	+ ·010	− ·18
					− ·003	− ·12
2498	8·0	G	20·7	5	−0·005	0·00
		80	23·0	3	·000	+ ·02
					− ·003	+ ·01
2499	8·1	G	19·9	4	·000	+ ·01
		Z	25·6	3	+ ·002	− ·01
					+ ·001	+ ·01
2500	5·7	t	64·0:63·8	3:4	+ ·015	+ ·30
		40	58·1:57·9	1	+ ·007	+ ·32
		50	46·0:46·6	2	+ ·004	+ ·32
		G	23·5	4	+ ·005	+ ·35
		Ms	18·0	10	+ ·010	+ ·33
		80	20·9	3	+ ·003	+ ·32
					+ ·008	+ ·32
2503	7·9	G	20·3	6	− ·004	− ·01
		80	22·0	3	− ·006	·00
					− ·005	·00
2505	8·0	Z	23·3	2	− ·004	·00
2506	7·0	G	21·5	4	− ·001	·00
		80	23·0	3	− ·002	+ ·05
					− ·001	+ ·03
2507	8·0	G	20·0	5	− ·007	− ·02
		80	19·4	3	− ·004	− ·03
					− ·006	− ·03
2508	5·0	40	59·0	1	− ·003	...
		50	47·1	2	− ·003	...
		G	24·0	4	− ·002	+ ·01
		80	23·0	4	+ ·003	+ ·04
					− ·002	+ ·03
2509	6·5	t	59·9	4	− ·006	− ·03
		40	58·1:57·9	1:2	− ·002	− ·02
		50	45·9:46·6	2	− ·002	− ·04
		G	23·0	4	− ·006	− ·04
		80	21·9	3	− ·005	·00
					− ·004	− ·03
2511	9·3	Z	22·5	1	− ·009	+ ·11
2512	8·8	Z	23·4	2	− ·006	+ ·03
2513	8·0	G	17·1	3	− ·002	·00
		Z	24·9	1	− ·004	+ ·03
					− ·002	+ ·01
2514	9·6	Z	23·9	1	·000	+ ·08
2516	7·5	G	21·3:20·9	5:4	− ·005	+ ·05
		80	22·9	3	− ·001	+ ·04
					− ·004	+ ·04
2518	8·6	Z	23·1	2	− ·002	+ ·01
2519	9·0	Z	22·9	1	− ·007	+ ·08
2520	9·4	G	17·9	3	+ ·003	− ·06
2522	9·0	Z	22·2	1	·000	− ·02
2524	7·5	t	58·7	8	− ·005	+ ·57
		40	57·9	2	...	+ ·57
		G	20·7	5	− ·012	+ ·60
		80	21·9	3	− ·001	+ ·47
					− ·006	+ ·56
2526	9·3	Z	24·1	1	− ·001	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2527	8·0	Z	23·3	1	−0·009	+0·01
		80	18·5	3	− ·005	− ·01
					− ·006	− ·01
2528	8·8	Z	23·8	1	− ·005	·00
2529	9·5	Z	23·3	1	− ·018	+ ·01
2530	7·8	t	60·8	4	− ·003	− ·17
		G	23·0	4	+ ·001	− ·21
		80	23·0	3	·000	− ·14
					− ·002	− ·17
2531	8·8	Z	25·0	1	− ·004	+ ·02
2532	8·8	Z	23·2	2	− ·003	+ ·03
2533	9·0	Z	25·0	1	·000	− ·01
2534	7·8	t	59·7	4	− ·010	+ ·01
		40	58·0	2:3	− ·005	− ·04
		G	22·0	4	− ·003	+ ·02
		80	22·0	3	− ·004	·00
					− ·007	− ·01
2535	7·0	t	60·6	3	− ·009	+ ·11
		G	22·9	4	− ·009	+ ·10
		80	22·9	3:4	− ·010	+ ·15
					− ·009	+ ·12
2536	9·0	Z	22·3	1	+ ·006	+ ·04
2538	8·3	Z	25·1	1	+ ·001	− ·02
2539	9·4	Z	25·1	1	− 005	+ ·02
2540	9·0	Z	24·0	1	− ·001	− ·05
2541	8·3	Z	23·3	2	− ·003	+ ·03
2542	8·5	Z	23·2	1	− ·007	− ·03
2543	6·0	G	24·2	6	− ·006	·00
		80	23·0	3	− ·001	+ ·02
					− ·004	+ ·01
2544	7·0	G	23·1	4	− ·012	+ ·07
		80	23·0	3	− ·007	+ ·10
					− ·009	+ ·09
2545	8·4	Z	25·0	1	·000	− ·08
2546	7·4	G	20·6	5	− ·007	·00
		80	23·0	3	·000	− ·01
					− ·005	− ·01
2547	9·5	Z	23·2	1	− ·001	+ ·10
2548	9·2	Z	25·0	1	− ·005	− ·04
2549	8·3	Z	25·6	3	− ·005	+ ·08
2550	9·0	Z	22·5	1	− ·011	− ·03
2551	8·5	Z	25·0	2	− ·006	− ·10
2552	8·6	Z	25·0	1	+ ·003	− ·06
2553	8·6	G	18·0	3	− ·010	− ·08
2554	9·0	Z	22·9	1	− ·014	− ·06
2556	9·5	Z	23·4	1	− ·015	− ·02
2558	9·0	Z	22·9	1	−0·010	−0·04
2559	8·7	Z	24·6	3	·000	− ·01
2560	8·8	Z	23·9	1	− ·011	+ ·06
2561	9·0	Z	24·9	1	+ ·003	+ ·10
2562	8·5	G	15·4	2	− ·003	− ·12
		Z	22·2	1	− ·009	− ·05
					− ·004	− ·11
2563	8·8	Z	25·0	1	− ·005	− ·06
2564	9·3	Z	22·5	1	− ·008	− ·06
2565	9·1	G	17·1	3	− ·002	− ·02
		Z	25·0	1	− ·005	·00
					− ·002	− ·02
2566	9·0	Z	22·8	2	− ·005	+ ·01
2567	8·0	G	23·6	2	− ·004	− ·06
		Z	17·0	3	− ·002	+ ·01
					− ·003	− ·04
2568	9·0	Z	25·0	2	·000	+ ·02
2569	8·5	Z	25·0	2	+ ·004	+ ·11
2570	8·6	Z	23·9	1	− ·007	− ·03
2571	8·4	Z	25·0	1	− ·001	− ·04
2572	8·5	Z	25·•	2	− ·004	− ·05
2573	7·0	G	16·5	3	·000	− ·04
		Z	23·5	1	− ·012	− ·01
		Ms	31·6	5	− ·001	+ ·07
					− ·001	+ ·01
2575	8·8	Z	25·0	2	·000	− ·02
2576	8·8	Z	24·9	1	− ·008	+ ·05
2577	5·5	t	61·0	3	− ·006	·00
		40	61·6:59·1	8:2	− ·003	− ·02
		50	47·0:47·7	2	− ·003	− ·01
		65	30·9	1	+ ·003	− ·02
		G	24·4	5	− ·010	+ ·03
		80	23·0	3	− ·003	+ ·01
					− ·004	·00
2578	8·0	G	16·4	3	− ·004	− ·09
		Z	23·0	2	− ·001	·00
					− ·003	− ·06
2580	8·8	G	17·1	3	− ·005	− ·04
		Z	25·0	2	− ·004	− ·04
					− ·005	− ·04
2581	8·5	G	17·9	3	− ·001	− ·04
		Z	23·9	1	− ·012	·00
					− ·003	− ·03
2582	8·3	Z	24·9	1	− ·002	− ·06
2584	9·0	Z	23·8	2	− ·013	− ·04
2585	7·9	G	19·0	3	− ·007	− ·03
		80	19·0	3	− ·007	+ ·03
					− ·007	+ ·01
2586	8·5	Z	23·7	1	−0·009	−0·10
2587	9·5	Z	24·4	2	− ·005	+ ·02
2588	8·5	G	19·5	5	− ·006	− ·03
		80	19·0	3	− ·013	+ ·06
					− ·008	+ ·02
2589	8·1	Z	23·1	1	− ·006	·00
2590	8·0	G	19·0	3	− ·009	− ·03
		Z	25·0	2	− ·006	− ·02
					− ·008	− ·03
2591	8·0	Z	24·9	1	+ ·003	+ ·04
2592	9·5	Z	23·8	1	− ·006	− ·04
2593	9·1	Z	23·2	2	− ·009	− ·01
2595	8·5	G	18·9	3	− ·004	− ·01
		Z	24·9	1	− ·001	+ ·04
					− ·004	·00
2596	8·4	G	21·6	5	− ·007	− ·02
		80	20·9	3	− ·009	− ·03
					− ·008	− ·03
2598	7·7	80	19·0	3	− ·009	− ·01
2599	7·0	G	21·3	6	− ·010	− ·05
		80	19·0	3	− ·007	− ·05
					− ·009	− ·05
2600	8·8	Z	23·1	2	− ·005	·00
2601	9·3	Z	25·4	2	− ·011	+ ·04
		90	12·0	3	− ·001	+ ·04
					− ·006	+ ·04
2603	8·3	G	18·0	3	+ ·003	− ·03
		Z	25·0	1	+ ·008	− ·01
					+ ·004	− ·03
2604	9·0	G	18·0	3	− ·007	− ·03
		Z	25·0	2	− ·009	− ·03
					− ·007	− ·03
2605	7·1	t	61·1	3	− ·006	+ ·01
		40	58·9:59·0	1:2	− ·002	+ ·01
		50	47·3	2	− ·002	...
		G	24·3:24·4	5:6	− ·002	·00
		80	24·3	4	·000	+ ·02
		90	8·8	6	+ ·002	+ ·02
					− ·003	+ ·01
2606	8·9	Z	24·9	1	− ·006	·00
2607	8·8	Z	23·9	1	+ ·001	− ·01
2608	7·6	t	60·8:61·1	4:3	− ·013	− ·04
		G	20·9	3	− ·004	− ·03
		80	20·0	3	− ·010	− ·02
					− ·011	− ·03
2609	9·0	Z	22·5	1	− ·011	+ ·09
2610	9·0	Z	23·6	1	− ·013	− ·03
2611	8·5	G	20·9	8	− ·009	− ·03
		80	20·0	3	− ·008	− ·02
					− ·009	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
2612	9·5	Z	23·8	1	−0·013	+0·02
2613	8·8	Z	24·9	1	− ·006	− ·04
2614	9·0	Z	24·9	1	− ·002	+ ·27
2615	8·9	Z	24·1	1	− ·009	·00
2616	7·0	t	58·1	3	− ·006	− ·06
		G	22·0	5	− ·007	− ·06
		80	19·0	2	− ·005	+ ·02
					− ·006	− ·05
2617	8·5	Z	24·9	1	− ·015	+ ·01
2619	9·0	Z	22·1	1	− ·005	− ·01
2620	9·0	Z	25·0	1	− ·006	− ·02
2621	9·5	Z	24·8	1	− ·009	− ·04
2622	9·5	Z	24·1	1	− ·016	+ ·01
2623	9·0	Z	23·6	1	− ·009	·00
2624	7·0	t	61·0	3	− ·007	− ·01
		40	58·9	1	...	− ·02
		50	46·9	3	− ·003	...
		G	24·0	4	− ·003	+ ·01
		80	23·0	3	− ·007	+ ·02
					− ·005	·00
2625	8·0	t	59·0	3	− ·008	− ·03
		G	18·3	8	− ·007	− ·05
		80	20·0	6	− ·006	− ·07
					− ·007	− ·05
2626	8·4	G	22·9	3	− ·011	+ ·02
		Z	24·9	1	− ·008	+ ·03
					− ·011	+ ·02
2627	7·8	G	17·3	4	− ·002	·00
		Z	23·4	2	− ·005	− ·04
					− ·003	− ·01
2628	9·0	Z	25·0	2	− ·005	·00
2629	9·5	Z	22·7	1	− ·007	+ ·09
2630	8·1	G	20·4	4	− ·006	+ ·06
		80	20·9	3	− ·007	+ ·05
					− ·006	+ ·05
2631	7·0	t	59·6	3	− ·002	+ ·01
		50	45·9	2	+ ·001	...
		65	29·9	1	− ·001	+ ·02
		G	20·8	6	− ·004	− ·03
		80	21·0	3	− ·004	− ·01
					− ·002	·00
2632	6·5	G	21·9	4	− ·010	+ ·02
		80	23·0	3	− ·001	+ ·04
					− ·005	+ ·03
2633	9·5	Z	22·8	2	− ·016	− ·02
		Ms	30·4	5	− ·005	+ ·04
					− ·006	+ ·03
2634	7·8	Z	25·0	1	− ·010	− ·05
2635	9·2	Z	25·9	1	− ·008	·00
2636	7·5	G	16·1	3	−0·002	−0·05
		Z	22·0	1	·000	− ·04
					− ·002	− ·05
2637	8·7	G	17·8	3	− ·010	− ·03
		80	19·1	3	− ·005	− ·02
		90	6·5	7	+ ·011	− ·06
					− ·007	− ·02
2638	9·1	Z	25·0	2	− ·002	+ ·06
2639	8·3	G	22·2	4	− ·004	+ ·06
		Z	25·0	2	− ·002	− ·06
					− ·004	+ ·04
2640	8·3	G	18·0	3	− ·007	− ·03
		Z	24·9	2	− ·008	− ·03
					− ·007	− ·03
2641	7·3	t	60·0	4:3	− ·007	+ ·03
		G	21·5:21·7	4:6	− ·008	− ·01
		80	20·9	3	− ·011	− ·02
					− ·008	+ ·01
2642	7·9	G	18·9	3	− ·014	− ·05
		Z	25·0	1	− ·007	− ·03
					− ·013	− ·05
2643	6·0	t	60·7	3	− ·008	− ·02
		50	46·9:47·7	1:2	·000	+ ·01
		G	23·7	6	− ·004	− ·01
		80	23·0	3	·000	+ 02
					− ·005	·00
2644	9·2	Z	25·0	1	− ·009	− ·02
2645	9·0	G	15·2	1	+ ·006	− ·04
		Z	23·1	1	+ ·001	− ·05
					+ ·004	− ·04
2646	8·5	G	16·2	3	− ·005	− ·04
		Z	23·1	1	− ·001	− ·01
					− ·004	− ·03
2647	10·0	Z	23·7	2	− ·019	+ ·03
2648	8·8	Z	24·9	1	+ ·001	+ ·09
2649	9·0	Z	23·8	1	− ·009	− ·04
2650	8·1	G	18·0	3	+ ·003	− ·06
		Z	24·9	1	+ ·005	− ·02
					+ ·003	− ·05
2651	6·0	t	60·6	3	− ·005	·00
		40	62·8:59·0	2:1	− ·006	− ·03
		50	46·1:48·1	2	+ ·001	·00
		G	24·5	6	− ·004	+ ·01
		80	22·5	4	− ·003	+ ·02
					− ·004	·00
2652	9·0	G	17·1	4	+ ·001	− ·05
		Z	23·9	1	− 001	+ ·04
					+ ·001	− ·04
2653	8·0	G	17·1	1	− ·001	− ·03
		Z	24·9	1	− ·010	+ ·01
					− ·004	− ·02
2654	9·9	Z	23·3	2	− ·012	+ ·03
2655	7·5	G	19·0	3	−0·002	−0·06
		Z	25·0	2	− ·008	− ·03
					− ·003	− ·05
2656	9·0	Z	23·6	1	− ·010	− ·06
2657	7·8	G	19·5	4	− ·011	+ ·04
		80	22·9	3	− ·007	+ ·07
					− ·009	+ ·06
2658	9·3	Z	25·0	1	·000	− ·09
2659	8·4	Z	25·0	1	− ·004	− ·26
2660	8·5	Z	22·5	2	− ·008	− ·08
		Ms	30·8	5	− ·004	·00
					− ·004	− ·02
2661	8·0	G	17·9	4	− ·007	− ·04
		80	19·5	3	− ·008	·00
					− ·007	− ·02
2662	7·2	t	60·6	3	+ ·002	+ ·02
		40	62·0	3	− ·003	...
		50	46·2:47·6	1:2	+ ·001	+ ·01
		G	22·5	5	− ·008	+ ·13
		80	23·0	3	+ ·003	+ ·05
					− ·002	+ ·03
2663	8·1	Z	24·8	1	− ·005	+ ·01
		Ms	16·9	5	− ·010	− ·02
					− ·008	− ·01
2664	9·1	Z	25·0	2	− ·008	+ ·01
2665	8·3	Z	25·0	1	·000	− ·08
2666	8·0	Z	25·0	1	− ·006	− ·05
2667	8·4	Z	23·9	2	− ·004	+ ·04
2668	9·0	Z	23·4	1	− ·008	− ·01
2670	9·0	G	18·8	3	− ·009	− ·06
2671	7·8	G	18·1	4	− ·007	− ·03
		80	19·4	3	− ·008	− ·04
					− ·007	− ·04
2672	8·3	G	18·2	3	− ·006	− ·07
		Z	25·0	2	− ·001	+ ·05
					− ·005	− 03
2673	7·5	t	60·0	3	− ·006	+ ·01
		G	23·2	4	− ·002	− ·01
		80	20·9	3	− ·002	− ·05
					− ·004	− ·01
2674	8·5	Z	23·3	1	− ·015	·00
2675	8·6	G	17·8	3	− ·001	− ·02
		Z	24·9	1	·000	·00
					− ·001	− ·02
2676	9·0	Z	22·3	1	− ·003	− ·04
2677	7·5	G	16·2	3	− ·002	− ·06
		Z	23·3	1	− ·018	+ ·03
					− ·005	− ·04
2678	9·0	Z	23·1	1	+ ·007	+ ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2679	6·5	t	60·0	7:10	−0·007	−0·59
		4o	58·0	2	...	− ·56
		5o	45·9:46·4	2:3	− ·005	− ·56
		G	23·1	4	− ·013	− ·53
		Ms	18·2	5	− ·013	− ·48
		8o	20·6	3	− ·013	− ·61
					− ·008	− ·57
2680	8·5	Z	24·9	1	− ·006	− ·02
2681	9·3	Z	23·8	1	·000	− ·09
2683	6·0	t	61·0:61·8	3:4	+ ·013	− ·19
		4o	56·0	1	+ ·010	− ·19
		5o	43·2:45·0	2:1	+ ·013	− ·17
		65	32·5	3	+ ·011	− ·20
		M	31·0:30·6	4:3	+ ·010	− ·20
		G	17·8	4	+ ·004	− ·19
		Ms	18·0	5	+ ·011	− ·17
		8o	18·7	3	+ ·011	− ·21
					+ ·011	− ·19
2684	8·5	Z	23·1	2	− ·007	+ ·01
2685	7·5	G	23·9	6:7	− ·006	− ·01
		8o	23·0	3	·000	+ ·03
					− ·004	+ ·01
2686	8·3	G	17·8	2	− ·005	− ·06
		Z	24·9	1	·000	− ·06
					− ·004	− ·06
2687	8·0	G	17·9	2	+ ·003	− ·02
		Z	25·0	1	− ·006	− ·04
					+ ·001	− ·02
2689	9·0	Z	23·6	1	− ·009	+ ·05
2690	6·9	G	20·7	4	− ·012	+ ·15
		8o	23·0	3	− ·008	+ ·18
					− ·010	+ ·17
2691	9·0	Z	22·6	1	− ·001	− ·04
2694	8·5	Z	22·0	2	+ ·003	− ·14
2695	7·0	t	60·1:60·5	8:4	− ·021	+ ·13
		G	24·2	6	− ·014	+ ·13
		8o	23·0	3	− ·011	+ ·14
					− ·019	+ ·13
2696	8·0	G	18·2	2	+ ·005	− ·08
		Z	25·1	1	− ·004	+ ·02
					+ ·003	− ·06
2697	8·6	Z	25·0	1	− ·002	− ·05
2698	8·1	t	60·0	3	− ·008	− ·01
		G	19·4	3	− ·007	− ·06
		8o	20·6	3	− ·009	·00
					− ·008	− ·01
2699	8·3	G	18·2	3	− ·003	− ·04
		Z	24·9	1	− ·004	+ ·02
					− ·003	− ·03
2700	8·8	G	17·0	2	− ·006	+ ·02
		Z	24·9	1	+ ·006	+ ·04
					− ·003	+ ·02
2701	Var.	Z	23·3	1	− ·012	+ ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2702	8·5	Z	24·9	1	−0·012	−0·07
		Ms	16·9	5	− ·002	+ ·03
					− ·007	+ ·01
2703	9·0	Z	22·7	3	− ·007	− ·01
2706	7·9	G	18·8	3	− ·009	− ·01
		Z	25·0	2	− ·003	− ·06
					− ·008	− ·03
2707	9·0	Z	23·3	2	− ·004	+ ·01
2708	7·0	t	59·7	7	− ·003	+ ·03
		G	22·9	4	− ·003	+ ·04
		8o	22·9	3	− ·007	− ·01
					− ·003	+ ·03
2709	8·7	Z	24·9	1	(− ·050)	+ ·03
		Zero of Cordoba chronograph uncertain.				
2710	7·7	t	59·9	3	− ·002	+ ·01
		4o	58·0:57·9	3:1	− ·003	·00
		5o	46·0:46·5	2	− ·003	+ ·02
		G	22·1	10	− ·009	− ·01
		Ms	17·0	10	+ ·011	+ ·05
		8o	21·9	3	− ·003	− ·01
		m	20·9	4	− ·002	+ ·04
					− ·004	+ ·01
2711	9·5	Z	23·5	1	− ·003	+ ·02
2712	7·5	G	17·0	3	− ·001	− ·12
		Z	23·6	2	− ·003	− ·01
					− ·001	− ·08
2713	7·5	G	23·1	4	− ·004	·00
		8o	22·9	3	− ·010	+ ·06
					− ·007	+ ·04
2714	7·5	G	22·6	5	− ·003	− ·01
		8o	22·9	3:2	− ·001	+ ·02
					− ·002	·00
2715	5·9	t	63·7	4	− ·004	− ·02
		4o	58·0	1	− ·002	..
		5o	45·9:46·5	2	− ·003	− ·01
		G	22·0	4	− ·002	+ ·01
		Ms	18·5	5	− ·006	+ ·02
		8o	21·8	4	− ·003	+ ·04
					− ·003	− ·01
2716	7·5	t	59·9	3	+ ·002	− ·01
		G	20·8	7	− ·009	− ·02
		8o	22·1	3	− ·004	+ ·03
					− ·003	·00
2717	8·8	Z	23·7	1	− ·008	+ ·06
2718	9·0	Z	23·9	1	− ·002	+ ·06
2719	8·3	Z	23·7	1	− ·001	− ·10
2720	8·0	Z	25·0	1	− ·006	+ ·15
2721	8·6	Z	24·9	1	− ·009	− ·04
2723	8·3	G	19·0	4	− ·003	·00
		Z	25·0	1	− ·003	− ·02
					− ·003	·00
2724	7·5	G	16·8	3	− ·002	− ·10
		Z	23·8	1	− ·016	− ·06
					− ·004	− ·09

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2727	8·3	Z	22·5	1	−0·002	−0·04
2728	8·8	Z	24·1	1	− ·012	− ·02
2729	9·0	Z	25·4	2	− ·001	+ ·06
2730	4·0	t	64·3:64·9	10:13	− ·001	− ·01
		4o	60·8	3	...	− ·01
		5o	45·8:46·5	1:2	− ·004	− ·02
		6o	37·9	2	− ·004	− ·01
		65	31·1	2	− ·009	− ·01
		M	28·9	3	− ·002	− ·02
		G	21·5	5	− ·008	− ·03
		Ms	19·6	5	− ·006	− ·08
		8o	21·9	3	− ·004	− ·02
		9o	9·8	15	− ·005	·00
					− ·003	− ·01
2731	7·0	G	23·0	5	− ·010	− ·01
		8o	20·9	3	− ·011	− ·02
					− ·010	− ·02
2733	8·0	Z	25·0	1	− ·005	·00
2734	7·0	t	60·9	3	− ·006	− ·04
		5o	47·0:47·7	2	− ·007	− ·07
		G	24·2	4	− ·009	− ·02
		8o	23·0	3	− ·004	− ·06
					− ·006	− ·05
2735	7·8	Z	25·4	2	− ·002	− ·03
		Ms	18·0	5	− ·026	− ·09
					− ·013	− ·07
2738	8·4	G	21·9	4	− ·005	+ ·04
		8o	21·9	3	− ·001	− ·03
					− ·003	·00
2739	8·9	Z	25·0	1	+ ·004	− ·07
2740	6·5	G	22·1	5	− ·003	− ·03
		8o	19·9	3	+ ·003	− ·03
					− ·001	− ·03
2741	8·9	Z	24·9	1	·000	+ ·02
2743	8·0	G	20·0	5	− ·007	− ·02
		8o	19·6	3	− ·012	− ·02
					− ·009	− ·02
2744	9·6	Z	22·9	1	− ·008	·00
2745	9·3	Z	23·9	1	− ·006	+ ·02
2746	9·0	Z	22·3	1	− ·012	− ·02
2747	9·0	Z	24·9	2	− ·006	+ ·01
2748	8·6	G	19·9	4	·000	− ·09
		Z	24·9	2	− ·006	− ·04
					− ·001	− ·08
2749	8·5	Z	24·9	1	− ·006	− ·04
2750	8·5	Z	22·7	1	+ ·008	− ·02
2752	8·5	G	18·9	3	− ·007	− ·06
		Z	24·4	2	− ·008	+ ·01
					− ·007	− ·04
2753	8·4	Z	25·1	1	+ ·002	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2754	7·5	t	59·7	8	−0·004	+0·03
		G	22·9	4	− ·005	− ·02
		80	23·0	3	− ·001	+ ·03
					− ·004	+ ·03
2755	5·0	t	60·6	3	− ·002	− ·02
		50	47·1:47·6	2:3	− ·001	·00
		60	39·1	1	..	+ ·02
		65	37·1	1	− ·004	+ ·01
		G	24·0	5	− ·002	+ ·02
		Ms	21·0	5	+ ·005	·00
		80	24·4	4	− ·005	+ ·06
		m	22·0	4	− ·001	+ ·03
					− ·001	+ ·01
2756	9·0	Z	23·3	1	− ·008	− ·02
2757	9·0	Z	22·7	1	− ·005	− ·05
2758	8·0	G	22·0	5	− ·005	− ·02
		80	19·5	3	− ·001	·00
					− ·004	− ·01
2759	8·0	G	16·7	3	− ·005	− ·02
		Z	22·7	1	·000	− ·04
					− ·004	− ·02
2761	8·2	G	18·9	3	− ·006	− ·04
		Z	24·4	2	− ·007	+ ·01
					− ·006	− ·02
2763	8·0	Z	23·5	2	− ·008	·00
2764	7·5	t	59·7	4	− ·007	− ·03
		G	22·9	4	− ·005	+ ·04
		80	20·9	3	·000	− ·02
					− ·005	− ·02
2765	7·6	G	22·9	4	− ·009	+ ·06
		80	23·0	3	− ·004	+ ·02
					− ·006	+ ·04
2767	8·9	Z	25·0	2	− ·005	+ ·03
2771	8·0	G	17·9	3	− ·002	− ·06
		Z	23·9	1	− ·001	+ ·04
					− ·002	− ·04
2772	7·0	G	21·9	4	− ·004	+ ·02
		80	22·0	3	− ·008	+ ·01
					− ·006	+ ·01
2773	9·1	Z	23·4	1	− ·009	− ·02
2774	8·9	Z	24·9	1	− ·001	+ ·09
2776	7·0	G	22·9	4	− ·002	+ ·03
		80	22·9	4	+ ·003	+ ·03
					·000	+ ·03
2777	9·0	Z	23·1	1	− ·007	− ·03
2778	8·4	t	58·7	8	− ·007	− ·04
		G	20·0	4	− ·003	− ·06
		80	19·0	3	− ·014	− ·03
					− ·007	− ·04
2779	9·3	Z	25·0	1	− ·002	− ·04
2780	8·5	Z	23·1	1	− ·001	+ ·32
2781	7·9	G	22·8	4	− ·007	+ ·02
		80	22·0	3	− ·005	+ ·04
					− ·006	+ ·03
2782	7·4	t	63·0:63·7	3:4	−0·003	+0·02
		40	57·9	1	...	·00
		50	46·0:46·6	3:2	− ·003	·00
		G	22·0	4	− ·007	+ ·02
		80	21·9	3	− ·002	+ ·04
					− ·003	+ ·02
2786	8·9	Z	24·9	1	− ·003	− ·02
2787	9·3	Z	24·1	1	+ ·003	+ ·06
		Ms	17·0	5	− ·009	− ·01
					− ·003	·00
2789	8·5	Z	24·0	1	− ·010	+ ·22
2790	8·5	Z	22·0	1	− ·005	− ·06
2792	7·3	G	22·9	4	− ·002	+ ·03
		80	22·9	4	− ·005	+ ·02
					− ·003	+ ·02
2793	7·4	G	21·4	5	− ·005	− ·02
		80	22·9	4:3	− ·009	·00
					− ·006	− ·01
2794	9·3	Z	25·0	2	·000	+ ·03
2795	8·0	Z	23·3	1	− ·004	+ ·05
2796	8·4	Z	25·1	1	− ·009	+ ·05
2797	7·8	t	60·0	3	− ·006	− ·01
		G	20·1	4	− ·002	− ·06
		80	20·9	3	− ·005	− ·02
					− ·005	− ·02
2798	8·3	Z	25·0	1	+ ·005	− ·10
2799	8·0	G	17·2	2	− ·003	− ·01
		80	20·9	2	− ·009	·00
					− ·006	·00
2800	8·0	Z	22·0	1	− ·005	− ·01
2801	8·5	Z	24·0	2	− ·010	− ·06
2802	6·6	t	60·9:60·6	2:3	− ·005	·00
		G	20·6	4	− ·004	+ ·02
		80	22·9	3	− ·008	+ ·01
					− ·005	·00
2803	8·0	Z	23·4	1	− ·010	− ·04
2804	9·2	Z	23·0	1	− ·005	− ·03
2805	9·4	Z	25·1	1	− ·004	+ ·07
2806	8·1	Z	23·9	1	− ·006	− ·01
2807	7·8	t	60·6	3	− ·006	·00
		G	19·5	4	·000	− ·05
		80	21·6	3	− ·005	− ·03
					− ·005	− ·01
2809	9·0	Z	23·1	1	− ·010	+ ·03
2810	7·6	G	20·9	3:4	·000	− ·02
		80	22·9	5:4	− ·001	+ ·02
					·000	·00
2811	9·0	Z	23·4	1	− ·009	− ·04
2812	9·3	Z	25·0	1	+ ·001	− ·04
2813	7·4	t	59·6	3	−0·005	0·00
		50	45·8:46·3	2:3	+ ·002	·00
		G	19·5:19·9	5:6	− ·006	− ·03
		80	20·5	3	− ·005	− ·01
					− ·003	·00
2815	7·6	G	22·1	4	− ·008	+ ·03
		80	23·0	3	·000	+ ·04
					− ·004	+ ·04
2817	8·8	Z	23·0	1	− ·007	− ·04
2818	7·1	G	19·0	4	− ·003	+ ·02
		Z	25·9	1	− ·005	·00
					− ·003	+ ·02
2819	9·0	Z	23·8	1	− ·011	+ ·02
2821	7·0	t	57·2:56·5	4:6	− ·005	·00
		G	20·1	4	− ·008	− ·04
		80	18·6:18·7	3	− ·007	− ·02
					− ·006	− ·01
2822	8·9	G	16·0	3	− ·005	+ ·04
		Z	23·9	2	− ·007	− ·06
					− ·005	+ ·01
2823	7·3	t	60·9	3	− ·003	+ ·03
		50	47·0:47·6	3:2	− ·009	− ·04
		G	21·3	6	− ·010	+ ·02
		80	22·9	2	− ·010	+ ·01
		m	23·8	3	− ·009	+ ·05
					− ·007	+ ·01
2824	7·0	G	18·7	6	− ·006	− ·01
		80	19·0	3	− ·005	+ ·03
					− ·006	+ ·01
2825	9·0	Z	25·0	2	− ·004	+ ·04
2826	9·0	Z	23·5	1	− ·012	− ·03
2828	7·0	t	59·8:60·2	7:5	− ·004	− ·01
		40	59·0	2	...	− ·02
		G	21·9	5	− ·007	+ ·02
		80	22·9	4	− ·007	+ ·03
					− ·005	− ·01
2829	8·3	G	20·6	6	− ·008	− ·03
		80	21·9	3	+ ·001	− ·04
					− ·005	− ·03
2832	8·3	Z	24·0	2	− ·006	+ ·05
2833	8·5	Z	22·8:22·6	2	− ·002	+ ·04
2834	7·2	t	60·0	2	− ·006	+ ·02
		50	46·0:46·7	2	− ·002	− ·03
		G	20·9	4	− ·008	+ ·01
		80	21·9	3	− ·004	·00
					− ·005	·00
2835	7·8	G	21·1	5	− ·002	+ ·02
		80	20·9	3	·000	− ·01
					− ·001	·00
2836	8·1	Z	25·0	1	− ·006	·00
2837	8·5	G	16·1	3	− ·002	− ·04
		Z	22·0	2	− ·003	− ·03
					− ·002	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2838	8·4	G	18·2	3	−0·004	+0·01
		Z	24·9	1	− ·003	+ ·05
					− ·004	+ ·02
2839	7·0	G	23·9	3	− ·005	+ ·01
		Z	25·3	2	− ·006	+ ·04
					− ·005	+ ·02
2840	8·0	G	18·0	3	+ ·001	− ·06
		Z	24·9	1	− ·010	− ·06
					− ·001	− ·06
2842	7·7	G	18·0	3	− ·004	− ·07
		Z	24·9	1	− ·003	− ·07
					− ·004	− ·07
2844	8·8	Z	22·1	2	− ·004	− ·02
2845	8·0	Z	25·0	1	·000	− ·06
2846	7·0	t	60·9	3	+ ·002	·00
		5o	46·9:47·7	2	+ ·006	− ·01
		G	21·7	7	− ·003	− ·03
		8o	22·9	3	+ ·003	·00
					+ ·002	− ·01
2847	8·3	Z	23·9	1	− ·003	− ·09
2848	9·0	Z	23·1	1	− ·013	− ·01
2849	8·8	Z	25·0	1	− ·006	·00
2852	8·0	Z	24·9	1	− ·005	− ·09
2853	8·4	Z	24·1	1	+ ·001	+ ·02
2855	8·0	G	18·9	3	− ·002	− ·02
		Z	25·0	1	·000	+ ·02
					− ·002	− ·01
2857	8·7	G	17·9	3	− ·001	− ·02
		Z	24·3	3	− ·005	− ·02
					− ·002	− ·02
2858	9·0	Z	23·9	1	− ·006	− ·03
2859	8·0	Z	21·9	1	− ·006	+ ·03
		Ms	29·0	5	− ·003	+ ·01
					− ·003	+ ·01
2860	5·9	t	59·7:59·9	4:3	− ·004	− ·02
		4o	58·0	1	...	− ·05
		5o	45·8:46·6	2	− ·001	− ·03
		G	23·4:23·5	4:5	− ·004	− ·03
		8o	21·9	2	+ ·003	+ ·03
					− ·002	− ·02
2861	7·0	G	23·6	8	− ·008	+ ·04
		8o	22·9	3	− ·006	+ ·09
		m	24·0	3	− ·008	+ ·08
					− ·007	+ ·07
2863	7·6	G	19·9	3	− ·006	− ·05
2865	8·8	Z	24·0	1	− ·009	− ·01
2866	8·0	Z	25·0	2	− ·006	− ·04
2867	8·3	G	18·8	3	− ·012	− ·04
		Z	25·0	1	− ·003	− ·01
					− ·011	− ·03
2868	9·0	Z	22·2	2	− ·004	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2869	7·5	t	62·1:63·0	3	−0·007	−0·03
		G	20·3	5	− ·004	− ·02
		8o	19·6	3	− ·010	− ·07
					− ·006	− ·04
2870	8·5	Z	22·7:22·6	2	− ·020	+ ·09
2871	7·5	G	18·8	3	− ·008	− ·05
		Z	25·1	1	− ·006	− ·02
					− ·008	− ·04
2872	7·2	t	61·7:61·6	3	− ·005	− ·02
		G	22·4	9	− ·009	− ·03
		8o	22·0	3	+ ·003	− ·02
					− ·005	− ·02
2873	8·1	Z	25·1	1	− ·014	− ·08
2874	8·3	G	24·0	1	− ·015	+ ·05
		Z	23·9	1	− ·007	+ ·04
					− ·012	+ ·05
2875	8·8	Z	24·4	2	− ·012	− ·05
2879	8·5	Z	24·0	1	− ·010	− ·05
2880	9·4	Z	23·0	1	− ·003	+ ·02
2882	9·0	Z	24·1	1	− ·008	+ ·04
2884	9·3	Z	24·1	1	− ·028	− ·06
2885	9·4	Z	23·9	1	− ·005	+ ·08
2886	8·7	Z	25·4	2	− ·007	− ·04
2887	5·8	G	24·0	4	− ·007	− ·06
		8o	21·9	4	− ·005	− ·02
					− ·006	− ·04
2889	9·0	Z	23·4	1	− ·010	+ ·03
2891	8·3	t	59·3:59·4	7:6	− ·007	− ·04
		G	20·2	4	− ·010	− ·05
		8o	21·9	2	− ·007	− ·01
					− ·007	− ·04
2892	9·0	Z	21·5	1	− ·007	+ ·07
2893	8·8	Z	22·9	1	− ·004	− ·04
2894	7·3	G	23·1	7	− ·008	− ·01
		8o	21·9	3	− ·004	+ ·01
					− ·007	·00
2895	9·2	Z	22·4	3	− ·013	+ ·02
2896	7·0	G	24·5	7	− ·005	− ·02
		8o	22·9	3	− ·002	− ·01
					− ·004	− ·01
2897	7·2	G	22·3	5	− ·004	− ·06
		8o	23·0	3	+ ·003	− ·06
					− ·002	− ·06
2898	7·9	G	20·0	3	− ·006	− ·02
		Z	24·9	1	− ·004	+ ·04
					− ·006	− ·01
2899	8·8	Z	25·1	1	− ·007	·00
2900	9·1	Z	22·9	1	− ·006	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2901	9·5	Z	22·9	3	−0·011	0·00
		Ms	21·7	5	− ·004	+ ·10
					− ·006	+ ·07
2902	8·5	G	18·8	3	− ·008	·00
		Z	25·0	1	− ·002	·00
					− ·007	·00
2905	9·0	Z	24·4	2	− ·003	+ ·11
2908	9·0	Z	22·4	1	− ·008	− ·02
		Ms	25·4	5	− ·009	+ ·01
					− ·009	+ ·01
2909	8·6	Z	23·9	1	− ·006	+ ·05
2910	8·3	Z	24·9	1	− ·007	− ·04
2911	8·8	Z	23·0:22·8	3	− ·001	+ ·07
2912	9·1	Z	23·0	2	− ·021	− ·01
		Ms	23·5	5	− ·002	+ ·06
					− ·006	+ ·05
2913	7·8	t	59·9	2	+ ·002	+ ·01
		G	24·0	4	− ·007	− ·01
		8o	21·9	3	+ ·001	− ·01
					·000	·00
2914	9·5	Z	23·4	1	− ·012	+ ·01
		Ms	29·3	5	− ·003	·00
					− ·004	·00
2915	9·3	Z	24·1	1	+ ·009	− ·09
2916	7·9	G	18·3	5	− ·005	·00
		Z	24·5	2	− ·007	+ ·01
					− ·005	·00
2919	9·0	Z	22·4	2	− ·010	− ·03
2920	9·0	Z	23·0	2	− ·010	+ ·04
2921	7·4	G	21·4	6	− ·013	− ·03
		8o	18·7	3	− ·010	− ·01
					− ·012	− ·02
2922	9·2	Z	23·9	1	− ·008	− ·01
2923	9·0	Z	22·5	2	− ·003	+ ·06
2924	8·3	t	60·0	3	− ·007	− ·03
		G	19·5:19·2	3:5	− ·009	− ·05
		8o	20·6	3	− ·006	+ ·01
					− ·007	− ·02
2925	7·3	t	59·9	3	− ·001	− ·02
		4o	58·0:57·9	5:2	− ·004	− ·04
		5o	45·9:46·8	2:3	·000	− ·02
		6S	29·9	3	− ·002	− ·01
		G	21·3	5	− ·009	− ·01
		8o	22·0	3	− ·002	·00
					− ·003	− ·02
2926	9·2	Z	22·2	5	− ·011	+ ·04
2928	8·5	G	17·9	3	− ·001	− ·07
		Z	25·0	3	− ·002	− ·04
					− ·001	− ·06
2929	8·5	Z	25·1	1	− ·008	+ ·05
2930	7·9	G	16·4	3	− ·003	− ·08
		Z	22·6	2	− ·017	+ ·02
					− ·006	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
2931	7·0	t	60·7	3	−0·011	0·00
		G	22·1:22·2	6:5	− ·008	− ·01
		8o	23·0	3	− ·007	+ ·04
					− ·009	+ ·01
2932	9·0	G	17·1	1	− ·001	− ·12
		Z	24·5	2	− ·008	+ ·03
					− ·004	− ·04
2933	8·5	Z	25·9	1	− ·009	·00
2934	9·3	Z	22·1	2	− ·015	+ ·07
2935	7·3	t	60·6	3	− ·005	+ ·05
		5o	47·0:47·7	2	− ·005	+ ·04
		65	30·9	2	− ·005	+ ·06
		G	24·8	4	− ·011	+ ·05
		8o	22·9	3	− ·005	+ ·07
		90	8·7	4	− ·002	+ ·08
					− ·006	+ ·05
2936	8·1	G	17·2	3	− ·003	− ·04
		Z	24·6	3	− ·004	·00
					− ·003	− ·03
2937	8·0	Z	22·7:22·6	5	− ·005	− ·01
2938	7·5	G	16·2	3	− ·001	− ·10
		Z	22·1	2	− ·005	− ·12
					− ·002	− ·11
2939	8·6	t	60·0	3	− ·007	− ·01
		G	20·0	3	− ·006	− ·03
		8o	19·9	3	− ·008	− ·03
					− ·007	− ·02
2940	8·8	Z	25·0	1	− ·003	·00
2941	9·0	Z	24·1	1	+ ·001	+ ·10
2942	9·0	Z	21·7	1	− ·012	+ ·07
2943	8·1	G	24·0	4	− ·006	− ·02
2945	8·3	t	59·6	3	− ·004	+ ·01
		G	20·0	3	− ·002	− ·09
		8o	20·6	3	− ·008	− ·02
					− ·004	·00
2946	8·7	Z	24·9	1	− ·010	− ·06
2947	5·7	4o	60·3:58·9	7:2	− ·002	− ·01
		5o	47·0:47·7	2	− ·002	− ·01
		6o	38·9	1:4	·000	·00
		65	32·0	3:4	− ·006	− ·01
		G	24·0	4	− ·004	·00
		Ms	21·0	5	·000	− ·07
		8o	23·0	2	·000	·00
					− ·002	− ·01
2948	7·5	G	21·1	5	− ·009	+ ·04
		8o	19·2	3	− ·005	− ·03
					− ·008	·00
2949	7·9	t	60·3	3	− ·007	+ ·06
		G	20·9	3	− ·002	− ·04
		8o	21·6	3	− ·007	·00
					− ·006	+ ·04
2950	9·0	Z	24·3	3	− ·009	− ·05
2951	8·5	G	16·7	3	− ·005	− ·04
		Z	21·7	2	− ·008	+ ·06
					− ·006	− ·01
2953	8·8	G	18·9	3	−0·002	−0 05
		Z	25·0	2	− ·006	·00
					− ·003	− ·03
2954	8·3	t	59·7	4	− ·009	− ·01
		G	21·8	4	− ·005	+ ·08
		8o	22·0	3	·000	+ ·06
		90	8·8	6	− ·001	+ ·05
					− ·006	+ ·02
2956	8·0	G	17·0	3	− ·005	− ·04
		Z	22·0	1	− ·007	+ ·01
					− ·005	− ·03
2957	8·5	G	16·2	1	− ·002	− ·12
		Z	21·9	1	+ ·003	+ ·08
					·000	− ·05
2958	9·3	Z	25·1	1	− ·004	− ·02
2959	9·2	Z	23·6	3	− ·006	+ ·10
2960	8·4	G	17·9	3	− ·006	− ·04
		Z	23·9	1	+ ·003	+ ·08
					− ·005	− ·02
2961	8·0	Z	21·6	2	− ·005	+ ·04
2962	7·5	G	17·1:16·9	3	− ·001	− ·05
		Z	22·4:22·3	2	− ·003	− ·09
					− ·001	− ·06
2963	8·6	Z	24·9	1	− ·012	·00
2964	8·4	Z	24·8	1	− ·007	− ·05
2966	8·5	Z	21·9	1	− ·007	+ ·01
2967	8·3	Z	24·9	1	+ ·004	− ·05
2968	8·3	Z	24·8	1	− ·005	·00
2969	8·5	Z	20·9	1	− ·001	+ ·09
2970	9·0	Z	21·0	1	− ·006	+ ·10
2971	8·0	G	20·2	4	− ·006	− ·03
		Z	23·9	2	− ·007	+ ·06
					− ·006	− ·01
2973	7·8	t	58·5	7	− ·001	− ·05
		G	21·9	4	·000	− ·02
		8o	21·9	3	+ ·005	·00
					·000	− ·04
2974	7·3	t	60·7	3	− ·008	− ·02
		5o	46·9:47·6	1:2	− ·002	− ·02
		M	34·9	3:4	·000	+ ·03
		G	21·2	5	− ·002	− ·01
		8o	22·9	3	+ ·001	− ·01
					− ·002	− ·01
2975	9·0	Z	24·0	1	− ·001	+ ·03
2977	8·5	Z	20·9	1	− ·010	+ ·01
2978	8·8	Z	23·9	1	+ ·004	+ ·06
2979	7·7	t	60·6	3	− ·009	+ ·03
		G	21·8	4	− ·008	+ ·05
		8o	22·9	3	− ·003	+ ·04
					− ·008	+ ·03
2980	8·3	Z	23·9	1	− ·006	+ ·05
2983	9·0	Z	21·0	1	−0·008	+0·05
2985	7·5	G	15·8:15·7	4	− ·002	+ ·08
		Z	21·2:21·1	1	− ·009	+ ·07
					− ·003	+ ·08
2986	8·0	Z	25·0	2	− ·004	·00
2987	8·8	Z	22·9	1	− ·009	+ ·06
2988	8·5	G	15·2	1	− ·006	− ·01
		Z	24·4	2	− ·006	·00
					− ·006	·00
2989	6·5	t	58·0	3	− ·007	− ·02
		5o	43·7:44·6	2	− ·002	− ·01
		G	20·0	4	·000	− ·04
		8o	19 0	3	− ·008	− ·04
					− ·005	− ·02
2990	9·1	Z	24·9	1	− ·012	− ·08
2991	8·5	Z	20·9	1	− ·004	+ ·06
2992	8·8	Z	25·0	1	− ·016	+ ·10
2993	7·9	G	18·8	4	− ·006	− ·04
		8o	21·9	3	− ·003	·00
					− ·004	− ·02
2994	8·0	G	15·3	3	+ ·002	− ·01
		8o	17·3	4	− ·009	− ·03
					− ·003	− ·02
2995	8·5	Z	21·5	1	+ ·006	− ·04
2996	9·0	Z	21·6	1	− ·016	+ ·05
2998	7·0	t	63·7	4	− ·007	− ·03
		4o	58·0:57·9	3:2	− ·004	− ·01
		5o	45·8:46·8	2	− ·003	·00
		G	18·9	4	− ·007	− ·02
		8o	21·9	3	− ·004	·00
					− ·005	− ·01
3000	8·5	Z	20·9	1	− ·006	+ ·11
3001	7·5	t	57·8	3	− ·011	+ ·03
		G	20·1	4	− ·005	− ·04
		Ms	31·1	5	− ·005	− ·02
		8o	18·7	3	− ·003	− ·02
					− ·007	+ ·01
3002	8·7	Z	25·0	1	− ·002	− ·08
3003	7·5	G	22·0	5	·000	+ ·03
		8o	22·9	3	+ ·003	+ ·03
					+ ·001	+ ·03
3005	8·8	Z	24·9	1	− ·007	− ·04
3006	8·7	Z	23·3	2	− ·006	+ ·09
3007	8·3	Z	24·9	1	− ·017	+ ·01
3008	7·5	G	21·8	4	− ·002	+ ·02
		8o	21·9	3	·000	·00
					− ·001	+ ·01
3009	9·0	Z	21·0	2	− ·006	+ ·05
3011	8·8	Z	25·1	1	− ·002	− ·01
3012	9·5	Z	20·9	1	− ·022	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
3013	8·5	Z	21·2:21·1	1	0·000	+0·16
3014	7·3	t	60·3	3	− ·005	− ·04
		G	22·7	4	− ·002	+ ·01
		80	22·9	3	− ·003	·00
					− ·004	− ·02
3015	8·8	Z	25·1	1	− ·005	·00
3016	7·4	t	59·9	3	− ·010	− ·02
		50	45·9:46·9	2	− ·002	− ·03
		G	21·1	5	− ·005	− ·05
		80	21·8	3	− ·002	− ·02
					− ·006	− ·03
3017	7·0	t	60·0	5	− ·009	·00
		G	21·1	5	− ·003	+ ·01
		80	21·8	3:2	− ·010	·00
					− ·008	·00
3021	7·3	G	16·2	3	− ·007	− ·19
		Z	21·1	2	− ·016	− ·14
					− ·009	− ·17
3025	8·2	Z	23·4	2	− ·004	+ ·04
3026	7·5	G	16·4	3	− ·006	− ·09
		Z	21·5	1	+ ·003	+ ·11
					− ·005	− ·05
3027	8·1	G	17·8	3	− ·001	+ ·02
		Z	23·4	2	− ·002	+ ·02
					− ·001	+ ·02
3028	7·0	t	58·0:58·1	3	− ·001	− ·04
		G	19·4	3:4	− ·005	− ·07
		80	19·4	3	− ·005	− ·04
					− ·003	− ·04
3029	9·0	Z	21·1	1	− ·007	− ·09
3031	7·8	G	16·0	3	− ·005	− ·04
		Z	20·9	2	− ·007	+ ·01
					− ·005	− ·02
3032	8·8	G	18·9	3	− ·007	+ ·03
		Z	25·1	2	− ·010	− ·01
					− ·008	+ ·02
3033	7·7	t	60·6	3	− ·007	+ ·05
		G	20·4	3	− ·006	− ·03
		Ms	32·4	5	− ·005	+ ·01
		80	20·9	3	− ·009	+ ·03
					− ·007	+ ·04
3035	7·8	t	59·6	3	− ·006	− ·01
		G	19·9	3	− ·003	− ·05
		80	20·9	3	− ·009	− ·02
					− ·006	− ·02
3036	6·5	t	60·7	3	− ·004	− ·02
		40	59·1:59·0	1:2	− ·004	− ·04
		50	47·1:47·7	2	− ·003	− ·02
		65	31·0	3	− ·001	+ ·02
		G	24·9	4	− ·010	− ·01
		Ms	20·4	5	− ·009	− ·01
		80	23·0	3	+ ·001	+ ·02
					− ·004	− ·02
3037	9·0	Z	23·9	1	− ·007	− ·05
3038	8·0	t	60·0	3	−0·011	−0·03
		G	20·0	3	− ·007	− ·04
		80	20·9	3	− ·004	·00
					− ·009	− ·02
3039	7·6	t	59·9	3	− ·001	− ·02
		G	23·8	8	− ·005	− ·04
		80	22·0	3	+ ·003	− ·01
					− ·002	− ·02
3041	9·1	Z	24·9	1	− ·004	·00
3043	8·5	Z	23·4	2	·000	+ ·01
3044	8·7	Z	24·0	1	·000	− ·04
3045	8·6	Z	24·4	2	− ·009	+ ·09
3046	7·8	Z	20·9	2	− ·004	+ ·03
3047	7·5	G	23·2	5	− ·005	− ·03
		80	21·9	3	·000	− ·02
					− ·003	− ·02
3049	9·0	Z	22·9	2	− ·002	+ ·12
3050	7·9	t	60·6	3	− ·006	·00
		G	20·8	4	− ·007	+ ·03
		80	21·5	3	− ·017	+ ·09
					− ·008	+ ·02
3052	9·0	Z	21·3	2	− ·011	+ ·01
3053	8·5	G	16·4	3	− ·003	− ·01
		Z	21·3	2	− ·007	− ·02
					− ·004	− ·01
3054	7·9	Z	24·9	1	− ·005	− ·12
3055	8·5	Z	25·0	1	− ·004	+ ·02
3056	8·8	G	19·9	3	− ·004	− ·05
		Z	24·8	1	− ·004	+ ·04
					− ·004	− ·03
3057	9·0	Z	20·9	1	− ·004	+ ·11
3058	8·2	G	19·0	3	− ·002	− ·04
		Z	25·0	2	− ·009	− ·02
					− ·003	− ·03
3060	8·6	Z	22·8	1	− ·010	+ ·08
3061	7·0	t	58·1	3	− ·011	+ ·06
		G	21·2	6	− ·011	+ ·04
		80	18·9	4	− ·005	·00
					− ·010	+ ·04
3062	8·0	t	60·6	3	− ·004	+ ·01
		G	20·9	4	− ·004	·00
		80	21·6	3	− ·008	+ ·01
					− ·005	+ ·01
3063	7·8	G	19·5	4	− ·003	− ·10
		Z	21·4	2	− ·002	+ ·02
					− ·003	− ·08
3064	6·5	t	59·6	3	+ ·002	− ·01
		50	46·0:46·6	2	− ·001	+ ·01
		G	22·0	4	+ ·001	·00
		80	20·5	3	− ·005	·00
		m	20·9	5	+ ·002	+ ·01
					·000	·00
3065	9·0	Z	21·0	1	−0·011	+0·10
3067	8·8	G	19·7	5	− ·005	− ·07
		Z	24·0	1	− ·014	+ ·01
					− ·006	− ·06
3068	9·2	Z	24·9	1	+ ·002	− ·04
3069	6·5	t	59·9	3	− ·009	·00
		40	58·8	1	...	− ·01
		50	46·2:47·4	2	+ ·001	+ ·03
		M	34·8	5	− ·002	·00
		G	22·9	4	− ·002	+ ·02
		80	22·9	3	− ·010	·00
					− ·004	+ ·01
3070	5·0	t	59·6	3	− ·006	+ ·01
		40	57·8	1	...	− ·02
		50	46·0:46·6	2	− ·003	− ·02
		G	23·3	6	− ·006	·00
		80	21·9	3	− ·003	− ·06
					− ·004	− ·01
3071	9·0	Z	21·2	1	− ·006	+ ·05
3072	8·5	Z	20·9	2	− ·005	+ ·02
3073	6·0	t	58·7	7	− ·004	− ·02
		50	45·1:46·4	2	·000	+ ·01
		G	23·2	4	− ·005	·00
		Ms	18·9	5	− ·004	− ·05
		80	20·6	3	+ ·003	·00
					− ·003	− ·02
3075	6·0	t	59·0:59·9	7:6	− ·006	− ·03
		40	58·2	2	...	− ·01
		50	46·6	2	...	− ·03
		G	23·9	4	− ·006	− ·03
		Ms	19·0	5	− ·012	− ·10
		80	21·5	5	− ·007	− ·03
					− ·006	− ·02
3076	8·4	G	18·9	3	− ·004	− ·03
		Z	24·8	2	− ·004	·00
		Ms	32·3	5	− ·002	+ ·01
					− ·003	·00
3078	8·5	Z	21·4:21·3	1	+ ·002	+ ·03
3080	9·0	Z	22·0	2	− ·006	+ ·09
3082	7·9	t	58·4	7	− ·008	− ·01
		G	19·1	4	− ·011	− ·08
		80	20·6	4	− ·015	·00
					− ·009	− ·02
3083	9·3	Z	25·0	1	− ·007	+ ·05
3085	9·0	Z	20·9	1	− ·013	+ ·02
3086	9·2	Z	22·9	1	− ·018	+ ·12
3087	9·3	Z	21·9	1	− ·002	− ·01
3088	8·0	G	19·5	3	− ·001	+ ·04
		Z	25·0	1	− ·016	+ ·06
					− ·003	+ ·04
3089	6·0	t	60·0	3	− ·007	− ·02
		40	58·9	1	...	+ ·02
		50	46·9:48·0	2	+ ·007	+ ·01
		G	23·6	4	− ·001	+ ·04
		80	23·0	3	+ ·004	·00
					− ·001	·00

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3090	7·2	G	21·5	5	+0·002	−0·14
		8o	22·9	3	+ ·003	− ·10
					+ ·002	− ·12
3091	7·6	G	17·9	3	− ·002	− ·04
		Z	24·4	2	− ·005	+ ·03
					− ·003	− ·02
3092	8·5	Z	21·0	1	− ·005	+ ·07
3093	7·5	G	16·1:16·0	3	·000	− ·33
		Z	21·0	2	− ·002	− ·32
					·000	− ·33
3094	8·3	t	58·2:58·3	11:12	− ·008	− ·03
		G	19·8	3	− ·002	− ·07
		8o	20·2	3	− ·004	− ·03
					− ·007	− ·03
3095	9·0	Z	21·7	2	− ·010	·00
3096	7·5	G	21·1	5	− ·019	+ ·16
		8o	20·2	3	− ·025	+ ·12
					− ·021	+ ·14
3097	8·8	Z	24·8	1	− ·003	− ·02
3098	9·0	Z	24·8	1	− ·001	+ ·06
3099	7·5	G	15·6	4	− ·002	− ·05
		Z	21·0	1	− ·005	·00
					− ·002	− ·04
3100	8·5	G	14·9	2	− ·003	− ·05
		Z	20·9	1	+ ·003	+ ·03
					− ·001	− ·03
3102	8·5	G	15·4	4	− ·003	− ·08
		Z	21·0	2	− ·007	·00
					− ·004	− ·06
3103	8·3	Z	24·4	2	+ ·002	− ·02
3104	7·6	t	57·9:57·8	3:2	− ·002	− ·02
		G	19·8	4	·000	− ·07
		8o	19·9	3	− ·009	− ·02
					− ·003	− ·03
3105	7·4	G	21·5:21·3	5:6	− ·005	− ·03
		8o	20·4	4	− ·010	− ·03
					− ·007	− ·03
3107	7·3	t	59·7	3	− ·008	− ·04
		G	21·9	4	− ·005	·00
		8o	22·0	3	− ·004	·00
		m	20·9	5	− ·004	− ·01
					− ·006	− ·02
3109	6·9	G	22·0	4	− ·003	− ·26
3110	7·5	G	19·1	7	− ·006	− ·04
		Z	20·9	1	− ·017	+ ·11
					− ·008	− ·03
3111	9·1	Z	24·0	1	− ·005	·00
3112	8·9	Z	25·0	1	− ·002	+ ·02
3113	9·2	Z	22·8	1	− ·003	+ ·07
3114	9·0	Z	21·9	1	+ ·002	− ·01
3116	8·6	Z	25·1	1	− ·007	+ ·06
3117	7·0	G	25·9	6:7	−0·006	−0·11
		Z	24·9	1	− ·006	− ·08
					− ·006	− ·11
3118	8·0	t	58·6	3	− ·006	·00
		G	22·6	5	− ·006	− ·01
		8o	18·8	3	− ·014	− ·06
					− ·007	− ·01
3119	9·0	Z	24·4	2	− ·007	− ·01
3122	8·0	t	57·0:57·1	7:6	− ·003	− ·02
		G	19·5	5	− ·006	− ·02
		8o	19·0	4	− ·001	− ·02
					− ·003	− ·02
3123	8·5	Z	21·0	1	− ·004	+ ·06
3124	9·0	Z	21·3	1	·000	+ ·09
3125	8·3	Z	24·0	1	− ·005	·00
3126	9·2	G	17·9	3	− ·002	− ·07
		Z	22·9	1	− ·003	+ ·03
					− ·002	− ·05
3127	6·0	t	63·0:63·7	3:4	− ·001	− ·01
		4o	57·9:57·8	2:1	− ·005	+ ·02
		G	23·0	4	− ·005	·00
		Ms	19·9	5	− ·008	+ ·02
		8o	20·9	3	− ·007	− ·01
					− ·004	·00
3128	7·5	G	17·1	3	− ·009	− ·10
		Z	21·0	1	− ·010	+ ·01
					− ·009	− ·08
3129	8·5	Z	21·9	2	− ·002	+ ·02
3130	7·5	t	56·7:57·2	7:5	− ·004	+ ·01
		G	17·9	4	− ·004	− ·08
		8o	18·9	3	− ·009	− ·02
					− ·005	·00
3131	8·4	Z	25·0	1	− ·006	+ ·04
3132	9·0	Z	24·4	2	+ ·002	+ ·04
3133	5·5	t	62·9:63·5	3:5	− ·004	− ·03
		4o	57·8:58·0	1	− ·003	− ·03
		5o	46·0:46·7	2:3	− ·002	− ·04
		G	24·0	4	− ·001	− ·07
		Ms	26·9	6	− ·003	− ·04
		8o	21·9	3	+ ·001	− ·04
					− ·003	− ·04
3134	8·0	t	61·0:61·1	3:2	− ·008	− ·05
		G	21·0	4	− ·002	− ·02
		8o	21·6	3	− ·002	− ·01
					− ·006	− ·03
3137	9·1	Z	22·9	2	·000	+ ·09
3138	7·0	G	20·0	4	− ·006	+ ·07
		8o	18·7	3	− ·011	− ·01
					− ·008	+ ·02
3139	8·2	Z	22·9	1	− ·005	+ ·16
3140	7·0	t	58·1	3	− ·007	− ·03
		5o	44·1:44·7	2	− ·003	+ ·02
		G	21·4	5	− ·005	− ·03
		8o	19·0	3	− ·004	− ·05
		m	16·0	3	+ ·006	+ ·06
					− ·004	− ·01
3141	7·0	G	21·1	5	−0·006	−0·02
		8o	18·8	3	− ·012	− ·04
					− ·008	− ·03
3142	9·4	Z	24·0	1	− ·009	− ·08
3143	8·1	G	20·0	3	− ·004	− ·07
		Z	24·8	2	− ·005	− ·06
					− ·004	− ·07
3145	9·3	Z	25·0	1	− ·012	+ ·03
3146	8·5	G	16·8	5	− ·004	− ·09
		Z	21·3	2	− ·013	·00
					− ·006	− ·07
3148	9·3	Z	23·9	1	+ ·005	− ·03
3150	9·3	Z	20·7	1	− ·017	+ ·07
3151	9·1	Z	24·8	1	− ·013	− ·10
3152	8·0	G	15·8	4	− ·003	− ·04
		Z	21·2	2	− ·011	+ ·10
		Ms	29·4	5	− ·008	·00
					− ·006	− ·01
3153	7·5	G	16·1	3	− ·004	− ·02
		Z	21·2	1	− ·008	+ ·05
					− ·005	− ·01
3155	7·5	G	19·4	5	·000	− ·04
		8o	20·0	3	− ·004	− ·01
					− ·001	− ·02
3156	6·0	t	60·0	3	− ·008	− ·02
		4o	60·6:58·0	6:3	− ·003	− ·06
		5o	45·9:46·5	1:2	− ·011	− ·07
		G	22·3	4	− ·004	− ·04
		8o	21·9	3	− ·001	− ·07
		m	20·9	5	− ·001	− ·05
					− ·004	− ·05
3157	8·6	Z	24·0	1	− ·009	+ ·04
3158	8·6	Z	25·0	1	− ·003	+ ·02
3159	9·4	Z	24·8	2	− ·009	− ·03
3160	9·1	Z	24·4	2	− ·003	+ ·02
3161	8·1	Z	23·9	2	− ·010	+ ·02
3162	8·0	t	61·1	3	− ·011	+ ·01
		G	19·5	4	− ·005	− ·06
		8o	22·0	3	− ·006	− ·01
					− ·009	·00
3163	9·3	Z	22·8	1	− ·016	+ ·04
3165	8·9	Z	24·9	1	− ·004	− ·06
3166	7·0	t	59·6	3	− ·003	− ·02
		5o	46·0:47·0	2	− ·001	+ ·01
		G	22·3	6	− ·008	+ ·02
		8o	20·9	3	− ·005	− ·01
					− ·004	·00
3167	9·0	Z	20·9	1	− ·016	− ·08
3168	8·0	G	18·8	4	− ·002	− ·01
		Z	21·9	2	− ·006	− ·02
					− ·003	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3169	8·0	G	18·8	10:9	−0·004	−0·04
		80	19·0	3	− ·002	− ·02
					− ·003	− ·03
3170	7·3	t	60·6:60·9	3:2	− ·001	− ·02
		G	20·9	4	+ ·003	− ·02
		80	21·9	3	− ·003	·00
					− ·001	− ·01
3171	9·5	Z	23·9	1	− ·005	·00
3172	8·0	G	16·1	3	+ ·002	− ·07
		Z	21·0	2	− ·004	− ·09
		90	9·0	1	+ ·009	+ ·07
					+ ·001	− ·08
3173	9·1	Z	25·0	1	− ·004	− ·03
3174	8·0	G	23·1	5	− ·007	+ ·05
		80	22·9	3	− ·003	+ ·01
					− ·006	+ ·03
3176	8·3	Z	21·4	1	− ·003	+ ·01
3177	9·0	Z	21·7	1	− ·011	− ·04
3178	7·8	G	22·1	9	− ·005	− ·02
		Z	25·1	1	+ ·001	− ·02
					− ·004	− ·02
3179	9·1	Z	22·8	1	− ·007	+ ·03
3180	8·5	Z	22·9	1	+ ·001	− ·06
3181	6·5	t	61·0	3	− ·007	− ·02
		50	47·0:48·0	2	− ·004	− ·06
		M	34·9	3	− ·003	+ ·01
		G	22·4	7	− ·004	− ·03
		80	22·9	3	+ ·001	− ·02
					− ·004	− ·02
3183	9·0	G	18·0	4	− ·006	− ·12
		Z	20·9	1	− ·002	− ·11
					− ·005	− ·12
3184	8·9	Z	24·9	1	− ·004	− ·03
3185	9·0	Z	21·9	1	− ·007	+ ·04
3186	8·9	Z	24·9	1	+ ·002	− ·04
3187	8·1	t	59·7	7	− ·011	·00
		G	22·9	4	− ·005	·00
		80	22·9	3	− ·005	+ ·04
					− ·009	+ ·01
3188	9·0	Z	22·0	1	·000	− ·01
3190	6·0	t	60·0	3	− ·015	+ ·02
		40	58·0:57·8	1:3	− ·012	+ ·05
		50	45·9:46·7	2:3	− ·011	+ ·03
		G	23·9	4:5	− ·015	+ ·02
		80	21·9	3	− ·009	+ ·03
					− ·013	+ ·03
3191	7·8	t	58·7	7	− ·006	− ·04
		50	46·0:47·0	2	− ·006	− ·05
		G	20·3	6	− ·002	− ·05
		80	21·9	3	− ·006	− ·02
					− ·005	− ·04
3193	9·5	G	18·8	3	− ·002	+ ·01
3194	9·5	Z	20·9	2	− ·009	+ ·10
3195	8·4	Z	23·8	2	−0·005	−0·01
3196	7·5	t	61·0	3	− ·010	− ·04
		50	47·1:48·0	1:2	·000	− ·02
		G	24·9	4	− ·006	− ·04
		80	22·9	3	+ ·002	·00
					− ·006	− ·03
3197	8·0	G	17·9	3	− ·008	− ·02
		Z	24·0	1	− ·011	+ ·05
					− ·008	− ·01
3198	9·0	Z	24·4	2	+ ·001	+ ·07
3199	9·3	Z	24·9	1	+ ·007	+ ·04
3200	7·7	t	60·1:60·3	7:9	− ·002	− ·01
		G	22·9	13:14	− ·006	+ ·01
		80	23·0	3	− ·003	+ ·02
					− ·003	·00
3201	7·0	G	19·4	6	− ·003	− ·05
		80	19·0	3	− ·006	− ·04
					− ·004	− ·04
3202	8·7	Z	25·0	1	− ·004	+ ·12
3203	6·0	t	61·0	3	− ·012	·00
		40	61·2:58·9	5:4	− ·002	+ ·01
		50	47·1:47·5	2:4	·000	+ ·01
		G	20·1	14	− ·008	+ ·03
		80	22·9	3	− ·008	− ·01
					− ·005	+ ·01
3204	8·5	Z	21·0	1	− ·002	+ ·13
3205	8·0	t	57·7	3	− ·002	− ·03
		G	19·7	6	− ·003	− ·02
		80	19·1	3	− ·001	− ·04
					− ·002	− ·03
3206	8·5	Z	21·5	1	− ·009	− ·05
3207	8·8	Z	24·8	2	− ·006	− ·06
3208	8·5	Z	23·8	2	− ·004	+ ·09
3209	8·5	G	18·9	4	·000	− ·08
		Z	21·7	1	+ ·002	+ ·08
					·000	− ·06
3211	8·8	Z	22·8	1	− ·005	+ ·01
3212	8·8	Z	21·9	2	− ·001	·00
3213	8·8	Z	23·9	1	− ·004	− ·05
3215	8·0	Z	20·9	1	− ·004	− ·05
3217	8·7	Z	24·9	1	·000	·00
		80	22·9	3	− ·003	·00
					− ·003	·00
3218	8·8	Z	24·9	1	− ·012	− ·05
3219	9·0	Z	21·4	2	− ·004	+ ·11
3221	8·9	Z	21·9	1	− ·009	·00
3222	7·3	G	22·3	6	− ·009	+ ·02
		80	21·2	3	− ·009	− ·05
					− ·009	− ·01
3223	5·0	t	65·2:65·0	26:13	−0·006	−0·02
		40	57·9:60·5	4:7	− ·008	− ·03
		50	46·6	4	...	− ·05
		60	38·0	1	− ·003	− ·13
		65	32·1	5	− ·011	− ·05
		M	28·0	3	− ·007	− ·09
		G	23·3	4	− ·014	− ·03
		Ms	19·9	5	− ·014	+ ·01
		80	21·9	3	− ·002	− ·03
		90	9·9	13	− ·002	·00
					− ·007	− ·04
3224	8·5	Z	23·8	1	− ·001	+ ·03
3225	9·0	Z	20·9	1	− ·003	+ ·09
3226	9·0	Z	21·2	1	− ·003	+ ·03
3227	8·8	Z	22·8	1	− ·003	+ ·01
3228	8·6	Z	24·4	2	− ·004	+ ·04
3229	8·5	Z	21·0	1	+ ·015	− ·01
3230	9·0	Z	21·2	1	− ·005	+ ·11
3231	7·9	t	60·7	4	− ·014	− ·03
		G	21·4	5	− ·002	− ·07
		80	22·9	3	− ·002	− ·02
					− ·009	− ·03
3232	8·8	Z	24·9	1	− ·005	·00
3233	8·4	Z	23·9	2	− ·007	− ·05
3234	9·2	Z	24·8	2	− ·010	·00
3235	9·0	Z	21·0	2	− ·009	− ·02
3238	8·0	G	17·9	3	+ ·008	+ ·15
		Z	21·0	2	+ ·005	+ ·15
					+ ·007	+ ·15
3239	9·1	Z	24·0	1	− ·012	+ ·10
3241	9·1	Z	24·9	1	− ·004	+ ·01
3243	7·3	t	58·7:59·8	4:6	− ·004	− ·02
		G	22·9	4	− ·005	+ ·02
		80	23·0	3	+ ·002	+ ·03
		90	8·5	4	+ ·001	·00
					− ·003	− ·01
3244	9·5	Z	21·4	1	− ·017	+ ·09
3245	7·3	t	59·9	3	− ·008	− ·01
		G	20·1	7	− ·003	·00
		80	20·9	3	− ·005	− ·02
					− ·006	− ·01
3246	8·5	Z	24·0	1	− ·012	+ ·04
3247	8·7	Z	24·9	4	− ·010	·00
3249	9·0	Z	21·5	1	− ·013	− ·11
3250	7·5	G	16·5:16·6	3	+ ·002	− ·13
		Z	21·6:21·7	2	− ·001	− ·05
					+ ·001	− ·10
3251	8·6	Z	22·9	1	− ·001	+ ·02
3252	8·1	G	21·3	4	− ·005	− ·15
		Z	25·0	1	− ·008	− ·07
					− ·005	− ·14

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3254	8·7	Z	24·9	1	−0·005	+0·02
		80	22·9	2	+ ·005	+ ·05
					+ ·002	+ ·05
3255	9·0	Z	21·0	1	− ·008	+ ·05
3256	8·7	Z	23·8	2	− ·007	− ·05
3257	8·8	Z	24·4	2	+ ·003	− ·02
3258	7·6	G	22·9	4	− ·009	− ·03
		80	21·9	3	− ·007	− ·02
					− ·008	− ·02
3259	8·2	G	17·8	3	− ·003	− ·06
		Z	22·9	1	+ ·002	+ ·07
					− ·002	− ·03
3260	8·7	Z	24·5	3	− ·009	+ ·15
3261	9·1	Z	25·0	1	− ·003	+ ·01
3262	9·0	Z	21·5	2	− ·011	·00
3263	8·5	Z	21·2	1	− ·005	+ ·01
3264	9·2	Z	21·9	2	·000	− ·03
3266	7·0	t	57·5:58·0	6:4	− ·001	− ·05
		G	20·5	4	− ·001	− ·05
		Ms	29·0	6	− ·002	− ·04
		80	19·5	3	− ·005	− ·10
					− ·002	− ·06
3267	8·4	Z	24·5	3	·000	− ·01
		Ms	32·6	5	− ·007	− ·04
					− ·006	− ·03
3269	8·5	Z	24·9	1	− ·004	+ ·05
3270	8·9	Z	23·9	1	− ·002	− ·03
3271	8·7	G	20·1	3	− ·009	− ·05
		Z	23·9	1	− ·006	+ ·07
					− ·009	− ·03
3272	6·3	t	59·6	4	− ·005	− ·02
		G	23·9	5	− ·011	− ·03
		80	21·9	3	− ·004	·00
					− ·007	− ·02
3273	9·0	Z	21·2	1	− ·008	− ·04
3274	9·3	Z	22·8	1	− ·006	·00
3275	8·3	Z	22·9	1	− ·004	− ·07
3276	8·8	Z	21·6	1	− ·005	+ ·12
3277	7·5	t	59·9	3	− ·005	− ·04
		G	20·9	4	− ·012	− ·07
		80	21·6	4	− ·007	− ·03
					− ·007	− ·04
3278	9·0	Z	21·9	2	·000	− ·10
3279	8·5	Z	21·7	1	− ·005	+ ·04
3281	7·0	t	57·9	3	− ·003	+ ·03
		50	44·3:44·9	2	− ·004	+ ·05
		G	19·3	6	− ·008	+ ·01
		80	19·3	3	− ·012	+ ·03
					− ·006	+ ·03
3282	9·0	Z	22·8	2	−0·004	+0·12
3283	6·5	t	59·7	3	− ·009	− ·02
		50	45·9:46·5	2	− ·002	− ·02
		G	20·9	6	− ·007	·00
		80	22·0	3	+ ·003	·00
					− ·005	− ·01
3284	7·3	G	22·5	5	− ·004	− ·02
		80	22·9	3	·000	− ·04
					− ·003	− ·03
3285	9·1	Z	25·0	1	− ·010	− ·03
3287	9·0	Z	21·9	1	− ·004	− ·05
3288	8·5	Z	21·5	2	− ·003	·00
3289	8·7	Z	24·9	1	+ ·001	+ ·02
3290	9·0	Z	21·9	1	− ·003	+ ·03
3291	8·0	G	16·7	3	− ·002	− ·04
		Z	21·7	1	− ·013	+ ·17
					− ·004	·00
3292	9·0	Z	23·6	4	− ·008	+ ·03
3293	8·5	Z	21·7	1	+ ·004	− ·02
3294	9·5	Z	21·6	2	− ·012	− ·06
3295	8·9	Z	25·0	2	− ·003	+ ·05
3296	7·3	t	60·0	3	− ·009	− ·03
		50	46·0:46·4	2	− ·003	− ·02
		G	23·8	4	− ·008	− ·03
		80	21·9	3	− ·001	− ·03
		90	3·9	4	− ·003	− ·18
					− ·006	− ·03
3300	8·3	Z	21·9	2	− ·004	− ·05
3301	7·8	G	18·8	3	− ·004	− ·01
		Z	24·9	2	+ ·003	·00
					− ·003	− ·01
3302	6·0	t	58·6	3	− ·005	− ·03
		50	44·6:45·2	2	− ·004	...
		G	21·5	4	− ·004	− ·04
		80	19·4	3	− ·005	− ·04
					− ·005	− ·03
3303	9·0	Z	21·4	1	− ·005	− ·04
3304	7·3	t	60·9	3	+ ·002	− ·01
		G	22·2	5	− ·003	− ·02
		80	22·9	3	·000	·00
					·000	− ·01
3305	7·5	t	59·9	3	− ·003	− ·02
		G	23·2	5	− ·005	− ·01
		80	20·8	3	− ·010	·00
					− ·005	− ·01
3306	9·0	Z	21·7	2	− ·010	+ ·10
3307	9·1	Z	23·8	2	− ·013	− ·02
3308	9·0	Z	21·7	1	− ·007	+ ·11
3309	8·6	G	20·1	4	+ ·002	− ·10
		Z	24·0	5	·000	·00
					+ ·001	− ·07
3311	9·0	Z	24·0	2	−0·005	−0·01
3313	9·5	Z	23·9	1	+ ·003	+ ·05
3314	9·0	Z	21·3	2	− ·004	− ·03
3316	6·0	t	61·0	3	− ·001	+ ·02
		40	61·3:58·8	7:2	− ·006	·00
		60	38·9	1	− ·006	+ ·03
		65	32·1	3	− ·008	+ ·03
		G	24·9	4	− ·016	− ·04
		Ms	19·9	5	− ·007	− ·05
		80	23·0	3	·000	+ ·04
					− ·006	+ ·01
3317	8·6	G	19·4	3	− ·012	− ·02
		Z	22·9	2	− ·006	+ ·04
					− ·011	·00
3318	7·8	G	18·0	3	− ·003	− ·04
		Z	24·2	4	− ·005	− ·02
					− ·004	− ·03
3319	8·0	G	16·4	3	− ·007	− ·06
		80	21·4	2	− ·011	− ·03
					− ·008	− ·04
3320	6·5	G	24·8	5	− ·014	− ·04
		80	22·9	3	− ·003	+ ·03
					− ·010	·00
3321	8·0	t	60·0	3	− ·026	+ ·18
		G	19·8	3	− ·019	+ ·21
		80	20·9	3	− ·029	+ ·16
					− ·025	+ ·18
3322	8·1	G	17·9	3	− ·006	+ ·04
		Z	24·0	5	− ·009	+ ·05
					− ·007	+ ·04
3323	8·7	Z	24·9	2	− ·004	+ ·04
3324	9·5	Z	21·7	1	·000	− ·01
		90	9·7	1	+ ·015	+ ·02
					·000	·00
3325	8·9	Z	24·4	2	− ·008	− ·04
3326	9·0	Z	21·5	1	− ·011	+ ·01
3330	7·7	t	58·7:58·6	6:7	− ·002	·00
		G	20·7	4	− ·001	·00
		80	20·9	3	− ·002	·00
					− ·002	·00
3331	9·5	Z	21·7	1	− ·005	+ ·05
3332	8·5	G	18·7	3	− ·003	− ·02
		Z	21·6	1	− ·003	·00
					− ·003	− ·02
3333	8·2	G	19·9	4	− ·009	− ·04
		80	21·9	3	·000	+ ·02
					− ·004	·00
3334	8·0	G	16·0	3	+ ·002	− ·04
		Z	21·1	1	− ·003	+ ·07
					+ ·001	− ·02
3335	8·1	G	20·9	4	− ·003	− ·03
		Z	23·9	3	− ·008	+ ·02
					− ·005	− ·02
3336	8·5	Z	24·7	3	+ ·001	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
3337	8·4	Z	25·4	2	+0·004	0·00
3338	9·3	Z	22·8	2	− ·007	− ·02
3339	7·4	t	60·0	3	− ·002	+ ·01
		5o	46·5	2	...	+ ·01
		65	29·9	2	− ·005	·00
		G	21·2	7	− ·002	·00
		8o	21·9	3	− ·004	+ ·02
					− ·003	+ ·01
3340	9·0	Z	20·9	1	− ·002	− ·14
3341	8·0	G	18·8	3	− ·002	− ·03
		Z	24·9	2	− ·003	− ·01
					− ·002	− ·02
3342	9·1	Z	25·4	2	− ·001	− ·01
3343	8·8	Z	24·5	2	− ·005	+ ·02
3344	8·3	Z	25·0	1	− ·008	− ·03
3345	8·2	G	20·7:20·6	4:5	− ·003	− ·05
		Z	22·8	1	− ·012	+ ·01
					− ·004	− ·04
3346	8·8	Z	21·0	2	− ·006	+ ·01
		9o	9·0	3	·000	+ ·08
					− ·006	+ ·04
3347	9·0	G	18·2	2	·000	− ·06
		Z	25·0	1	− ·010	+ ·01
					− ·002	− ·05
3348	9·0	G	17·0	3	− ·006	− ·03
		Z	21·7	2	− ·006	+ ·04
					− ·006	− ·01
3350	9·0	Z	22·0	1	− ·011	+ ·01
3351	9·1	Z	22·8	1	+ ·003	+ ·04
3352	7·3	t	60·0	3	− ·003	·00
		5o	45·9:46·6	2	− ·001	− ·02
		G	22·8	5	− ·008	+ ·01
		8o	21·9	3	+ ·007	− ·01
					− ·002	− ·01
3353	6·5	t	59·9	3	− ·003	·00
		G	22·8	4	− ·009	+ ·01
		8o	21·9	3	− ·012	− ·02
					− ·006	·00
3354	8·5	Z	22·0	2	− ·013	+ ·01
3355	9·0	Z	22·0	1	− ·016	− ·03
3357	9·5	Z	25·0	1	− ·001	− ·02
3358	9·3	Z	25·3	3	− ·004	− ·02
3359	8·5	Z	20·9	1	− ·001	+ ·03
3360	8·6	Z	22·8	2	− ·001	− ·01
3363	8·0	G	21·0	5	− ·010	− ·03
		8o	21·9	3	− ·009	+ ·01
					− ·010	− ·01
3364	9·1	Z	22·9	1	− ·027	·00
3365	8·9	Z	25·4	2	− ·006	+ ·02
3366	8·4	Z	22·8	1	−0·004	0·00
3367	8·0	t	57·7	3	− ·006	− ·02
		G	17·1	4	− ·008	− ·08
		8o	18·9	3	− ·007	− ·03
					− ·007	− ·03
3369	8·4	t	59·8	6	− ·013	− ·02
		5o	46·8:47·5	1:3	+ ·001	·00
		M	34·8	3	− ·002	+ ·04
		G	20·7	4	− ·011	− ·03
		8o	22·9	3	− ·001	+ ·07
					− ·006	·00
3370	8·8	Z	25·0	1	+ ·002	+ ·04
3371	7·3	t	60·7	3	− ·012	− ·04
		G	24·9	4	− ·008	− ·02
		8o	23·0	3	− ·006	+ ·02
					− ·010	− ·02
3372	8·1	G	18·4	3	− ·005	+ ·02
		Z	24·5	2	− ·004	+ ·04
					− ·005	+ ·03
3373	9·3	Z	22·9	3	·000	+ ·04
3374	8·5	Z	21·3	3	− ·007	·00
3375	8·8	Z	23·9	2	− ·017	·00
3377	8·5	Z	21·0	1	+ ·011	+ ·07
3378	9·5	Z	25·0	1	− ·008	− ·08
3379	8·5	Z	25·5	2	+ ·003	+ ·02
3380	7·9	G	22·2	5	+ ·001	− ·06
		8o	23·0	3	− ·005	− ·03
					− ·001	− ·04
3381	8·5	Z	21·4	1	+ ·011	− ·14
3382	9·0	Z	26·1	2	+ ·003	− ·08
3383	8·5	Z	21·9	1	− ·003	− ·04
3384	8·8	G	17·9	3	− ·002	·00
		Z	22·8	1	− ·005	+ ·15
					− ·002	+ ·03
3385	8·1	Z	25·1	1	− ·013	− ·08
3386	8·5	Z	21·0	1	− ·003	− ·1
3387	7·6	G	22·0	3	− ·010	+ ·01
		8o	21·0	3	− ·013	+ ·01
					− ·011	+ ·01
3388	8·6	Z	22·8	2	·000	+ ·06
3389	8·5	Z	22·1	2	− ·004	− ·03
3390	9·1	Z	25·0	1	− ·004	− ·02
3391	9·2	Z	25·0	1	− ·001	+ ·01
3392	6·0	t	60·9	3	− ·002	− ·01
		4o	58·8	1	...	− ·01
		5o	46·9:48·0	3:2	− ·003	+ ·01
		G	23·9	5	− ·010	+ ·02
		8o	23·0	3	− ·003	+ ·04
					− ·004	·00
3393	7·8	t	59·9	3	−0·006	+0·03
		G	19·1	4	− ·009	+ ·01
		8o	20·9	4	− ·005	− ·04
					− ·006	+ ·01
3394	8·1	G	18·8	3	+ ·000	− ·02
		Z	24·4	2	+ ·007	− ·04
					+ ·001	− ·03
3395	8·8	Z	25·1	1	− ·027	+ ·02
3396	8·8	Z	22·9	1	− ·001	+ ·04
3397	8·5	Z	26·1	1	·000	+ ·06
3398	8·0	Z	25·0	1	− ·006	− ·01
3399	9·0	Z	21·0	1	− ·004	− ·06
3400	8·3	Z	21·6	3	− ·009	− ·03
3401	8·2	5o	47·0	1	− ·007	...
		G	23·0	4	− ·005	− ·03
		8o	22·9	3	− ·009	·00
					− ·007	− ·01
3402	6·0	t	61·6:62·4	3:4	·000	− ·01
		4o	56·5:56·4	2:3	− ·002	− ·02
		5o	44·6:45·5	2	− ·001	− ·01
		G	22·0	5	− ·003	− ·03
		8o	19·5	3	− ·005	− ·05
		m	16·5	3	+ ·002	+ ·02
		9o	2·5	4	− ·040	+ ·04
					− ·001	− ·01
3403	8·0	Z	22·9	1	− ·006	− ·04
3404	9·0	Z	21·9	1	− ·005	+ ·09
3405	8·5	Z	22·0	1	+ ·005	+ ·03
3407	9·0	Z	21·0	1	+ ·010	− ·01
3409	9·1	Z	22·8	1	− ·002	+ ·02
3410	8·3	G	19·8	4	− ·006	·00
		Z	22·9	1	− ·009	− ·06
					− ·006	− ·01
3411	9·1	Z	25·0	2	− ·001	− ·01
3413	9·5	Z	21·4	1	− ·007	·00
3414	8·0	t	59·4:59·7	8:7	− ·010	− ·05
		G	22·4	5	− ·003	− ·04
		8o	22·9	3	− ·001	− ·04
					− ·008	− ·05
3416	9·0	Z	21·5	2	− ·001	·00
3417	8·5	Z	22·1	1	− ·007	+ ·11
3418	8·5	Z	21·6	1	− ·012	+ ·10
3419	5·5	t	61·0	3	·000	·00
		4o	58·8	2	...	− ·04
		5o	47·0	2	− ·005	...
		G	22·1	5	− ·004	− ·01
		Ms	20·3	5	+ ·004	− ·08
		8o	23·0	3	− ·003	− ·03
					− ·002	− ·02
3420	7·8	G	17·7	3	− ·006	+ ·01
		Z	22·8	1	− ·016	− ·04
					− ·007	·00

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3421	8·9	Z	25·0	1	−0·006	−0·01
3422	7·9	G	21·0	3	·000	+ ·01
		Z	25·0	1	+ ·005	− ·04
					+ ·001	·00
3423	8·3	Z	22·4	3	− ·002	·00
3425	8·3	Z	25·1	1	− ·004	− ·03
3426	8·6	Z	22·8	1	·000	-- ·02
		80	19·0	3	− ·011	− ·03
					− ·009	− ·03
3427	9·1	Z	25·0	1	− ·002	+ ·02
		80	18·9	2	− ·020	− ·02
					− ·016	− ·02
3430	9·3	Z	22·8	1	− ·004	− ·03
3431	9·1	Z	22·9	1	− ·013	+ ·03
3432	7·0	t	60·9	3	− ·005	− ·05
		40	58·9	2	..	− ·05
		G	21·8	5	− ·005	− ·04
		80	23·0	3	− ·005	− ·01
		90	9·9	4	− ·002	− ·06
					− ·005	− ·04
3434	8·1	t	61·0	3	− ·002	·00
		G	19·8	5	− ·006	+ ·02
		80	21·9	3	− ·006	·00
					− ·004	·00
3435	8·5	Z	23·9	2	− ·015	+ ·03
3437	5·0	t	61·0	3	− ·011	+ ·01
		40	59·0	3	− ·013	...
		50	47·1:48·1	2	− ·016	+ ·01
		65	32·1	5	− ·018	+ ·03
		G	23·0	4	− ·015	·00
		Ms	34·0	5	− ·016	·00
		80	23·0	3	− ·011	+ ·01
		85	15·0	10	− ·015	− ·01
		90	8·0	11	− ·015	+ ·01
					− ·015	+ ·01
3438	8·8	G	16·9	1	− ·007	− ·04
		Z	22·9	2	− ·009	− ·02
					− ·008	− ·03
3439	8·2	Z	22·4	2	− ·002	− ·19
3440	9·0	Z	22·0	1	+ ·001	− ·02
3442	8·5	Z	22·4	1	+ ·003	+ ·07
		Ms	32·3	5	− ·002	− ·02
					− ·002	− ·01
3443	7·7	G	22·0	5	− ·007	+ ·22
		80	22·9	3	− ·005	+ ·21
					− ·006	+ ·21
3444	6·0	t	62·0:62·8	3:4	+ ·007	− ·06
		40	56·9	2	− ·003	...
		50	45·1:45·5	2:4	+ ·001	− ·05
		G	22·1	5	− ·001	− ·05
		Ms	18·5	5	− ·005	− ·08
		80	20·0	3	− ·003	− ·09
					·000	− ·06
3447	8·0	G	20·1	4	−0·002	−0·06
		80	19·0	3	− ·008	− ·02
					− ·005	− ·04
3448	9·1	Z	22·8	1	− ·011	+ ·07
3451	8·2	G	22·6	5	− ·007	− ·02
		80	23·0	3	− ·003	·00
					− ·006	− ·01
3453	8·5	Z	25·1	1	− ·006	− ·11
3454	9·3	Z	22·9	1	− ·001	− ·03
		90	10·0	2	+ ·006	+ ·04
					− ·001	·00
3455	8·8	Z	23·2	2	− ·002	− ·03
3456	8·5	G	18·4	4	− ·006	− ·04
		Z	21·4	1	+ ·001	+ ·07
					− ·005	− ·03
3458	7·9	G	22·5	5	− ·004	− ·02
		80	22·9	3	− ·005	− ·04
					− ·004	− ·03
3459	9·3	Z	25·1	1	− ·008	+ ·02
3460	9·0	Z	24·5	4	− ·004	− ·04
3461	8·5	Z	23·9	2	− ·009	− ·03
3462	9·5	Z	26·0	1	+ ·002	− ·02
3463	8·0	G	21·1	3	− ·006	− ·02
		80	21·9	3	− ·006	+ ·04
					− ·006	+ ·02
3465	8·6	G	18·1	3	− ·002	− ·06
3466	7·5	G	19·7	5	− ·006	− ·05
		80	19·4	3	− ·009	− ·03
					− ·007	− ·04
3468	8·7	t	57·8	4	− ·007	− ·06
		Z	23·9	2	− ·004	− ·09
		80	20·8	3	− ·003	− ·04
					− ·006	− ·06
3469	8·9	G	19·3	4	− ·005	− ·08
		Z	25·0	1	− ·010	+ ·02
					− ·006	− ·07
3470	9·2	Z	23·9	2	− ·011	+ ·02
3471	8·5	Z	22·5	1	− ·005	− ·01
3472	7·9	G	20·1	3	− ·004	− ·08
		Z	23·9	2	− ·008	+ ·07
					− ·005	− 03
3473	8·8	Z	22·4	1	− ·004	+ ·06
3474	9·5	Z	22·8	1	− ·007	·00
3475	8·5	G	18·0	3	− ·004	− ·07
		Z	21·9	1	− ·004	+ ·05
					− ·004	− ·05
3476	9·0	Z	22·9	2	− ·007	− ·07
3478	9·0	Z	23·9	1	+0·008	0·00
3479	7·1	t	60·7	3	− ·004	− ·01
		40	58·9:58·8	4:3	− ·004	− ·02
		M	34·9	3	− ·005	+ ·03
		G	22·7	4	− ·002	− ·02
		80	23·0	3	− ·003	+ ·02
		m	26·8	3	− ·004	+ ·01
					− ·004	·00
3480	8·4	Z	26·1	1	− ·002	− ·03
3482	8·6	Z	25·1	1	− ·013	− ·15
3484	8·5	Z	21·2	1	+ ·007	+ ·04
3487	7·0	t	60·9	3	− ·004	− ·02
		G	22·7	5	− ·004	− ·02
		80	22·9	3	− ·006	+ ·03
					− ·004	− ·01
3488	8·9	Z	25·1	1	+ ·018	+ ·07
3490	8·5	Z	21·9	1	− ·003	+ ·01
3491	8·1	G	20·3	5	− ·018	− ·08
		Z	23·9	2	− ·014	·00
					− ·017	− ·06
3492	9·1	Z	22·8	1	− ·001	+ ·02
3494	8·9	Z	22·8	2	− ·010	+ ·09
3495	8·0	Z	22·5	2	− ·007	+ ·01
3497	8·1	t	60·0	3	− ·005	+ ·02
		G	23·1	5	− ·006	+ ·01
		80	21·9	3	+ ·001	+ ·03
					− ·004	+ ·02
3498	9·2	Z	22·8	1	− ·011	+ ·04
3499	8·2	G	19·0	3	·000	− ·08
		Z	24·5	2	+ ·003	− ·04
					+ ·001	− ·07
3500	8·5	Z	26·0	1	·000	·00
3501	6·5	t	63·7	4	− ·003	− ·01
		40	57·8	1:3	− ·007	·00
		50	46·0:46·3	2:3	− ·001	·00
		G	23·2	5	− ·003	− ·02
		80	20·9	3	− ·003	− ·02
		m	20·9	4	− ·002	·00
					− ·003	− ·01
3503	8·0	G	20·9	3	− ·007	− ·02
		Z	25·1	1	− ·003	− ·06
					− ·006	− ·03
3505	9·0	G	17·8	3	− ·003	− ·06
		Z	22·8	2	− ·006	+ ·02
					− ·004	− ·03
3506	7·0	G	23·0	4	− ·005	− ·02
		80	23·0	3	− ·003	·00
					− ·004	− ·01
3507	8·5	Z	22·4	1	·000	+ ·08
		Ms	29·6	5	− ·007	+ ·01
					− ·006	+ ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3508	9·5	Z	23·3	1	−0·004	−0·08
3509	8·3	Z	23·5	3	− ·006	− ·02
3510	8·0	G	19·0	3	− ·022	− ·11
		Z	21·9	1	·000	− ·04
					− ·019	− ·10
3511	9·4	Z	24·5	2	− ·005	− ·04
3512	9·3	Z	22·8	1	+ ·001	+ ·05
3515	8·3	G	17·9	3	− ·013	− ·05
		Z	22·8:23·9	1:2	− ·005	·00
					− ·012	− ·03
3516	7·3	t	58·5	3	− ·004	− ·03
		5o	44·5:45·0	2:3	− ·004	− ·01
		G	20·9	8	− ·004	− ·01
		8o	19·4	3	− ·008	+ ·01
					− ·004	− ·01
3518	9·1	Z	22·8	1	− ·009	+ ·08
3520	8·0	G	18·9	3	·000	− ·03
		Z	24·5	2	+ ·001	+ ·02
					·000	− ·01
3521	5·8	t	63·1:63·7	3:4	·000	− ·03
		4o	57·9:58·0	3	− ·005	− ·02
		5o	45·9:46·5	2	− ·003	·00
		G	23·9	4	− ·014	− ·05
		8o	22·0	3	− ·003	·00
		m	17·9	3	− ·004	− ·03
					− ·004	− ·02
3522	9·0	Z	23·3	1	− ·012	+ ·05
3523	8·0	G	22·5	1	+ ·002	− ·07
		Z	16·5	3	− ·002	− ·04
					− ·001	− ·05
3524	8·0	G	20·2	4	+ ·004	− ·09
		Z	25·0	1	+ ·002	− ·08
					+ ·004	− ·09
3525	8·3	G	20·1	4	− ·008	− ·04
		Z	25·1	1	·000	+ ·04
					− ·007	− ·03
3527	9·0	G	17·8	1	− ·007	− ·08
		Z	22·9	2	− ·003	− ·01
					− ·005	− ·04
3529	8·8	Z	25·0	2	− ·002	·00
3530	9·1	Z	23·9	1	+ ·008	− ·12
3531	7·3	t	59·9	3	− ·004	+ ·01
		5o	45·8:46·6	3:2	− ·005	+ ·02
		G	23·0	4	− ·011	+ ·01
		8o	21·9	3	− ·005	+ ·01
					− ·005	+ ·01
3532	9·4	Z	26·1	1	+ ·006	− ·05
3533	7·0	t	60·0	3:2	−0·009	−0·03
		4o	61·0	3	− ·002	...
		5o	46·6	3	...	− ·04
		G	17·7	36	− ·012	− ·05
		8o	21·9	3	·000	− ·03
		9o	8·9	14	− ·003	− ·01
					− ·006	− ·04
3534	8·3	Z	22·9	1	− ·006	− ·03
3535	9·0	Z	22·9	1	·000	− ·02
3536	9·0	Z	21·0	1	·000	+ ·02
3537	9·3	Z	22·4:22·3	1	− ·002	+ ·01
3539	9·6	Z	22·8	2	− ·004	+ ·05
3540	8·3	G	23·0	4	− ·006	− ·07
		8o	23·0	3	− ·003	·00
					− ·004	− ·03
3542	9·0	Z	26·1	1	+ ·005	− ·02
3543	8·0	t	57·7	3	− ·008	− ·03
		G	18·0	4:3	− ·006	− ·06
		8o	18·6	3	− ·012	− ·07
					− ·008	− ·04
3545	7·5	t	57·0:56·1	7:3	− ·006	− ·01
		G	18·5	4	− ·004	− ·05
		8o	19·0	3	− ·009	− ·02
					− ·006	− ·02
3548	9·3	Z	21·7	1	− ·001	+ ·03
3549	6·5	t	60·7	3	− ·004	− ·02
		4o	63·0	4	− ·003	...
		5o	47·1:48·0	2	− ·001	− ·03
		G	22·6	5	− ·003	− ·01
		8o	23·0	3	− ·002	+ ·03
					− ·003	− ·02
3550	9·0	Z	22·9	1	− ·015	− ·06
3551	8·0	G	17·7	3	− ·013	− ·02
		Z	23·7	1	− ·007	·00
					− ·012	− ·02
3553	7·8	t	60·0	5:3	− ·012	·00
		G	18·9	4	− ·010	− ·03
		8o	22·0	3	− ·002	+ ·02
					− ·010	·00
3554	8·2	Z	22·8	1	+ ·006	+ ·46
3555	8·3	Z	26·1	1	+ ·007	− ·07
3556	8·3	Z	22·0	1	− ·024	+ ·17
3557	8·9	Z	22·8	1	− ·014	+ ·03
3558	6·0	t	61·0	3	− ·005	− ·01
		4o	58·9:58·8	3:2	− ·009	− ·01
		5o	46·9:48·0	2	− ·003	+ ·01
		G	24·0	4	− ·007	− ·01
		8o	22·9	3	− ·002	+ ·01
					− ·006	·00
3562	8·6	Z	24·4	2	− ·005	+ ·04
3563	8·5	Z	22·8	1	−0·005	−0·07
3564	7·8	G	19·8	4	− ·008	− ·05
		Z	23·6	3	− ·001	+ ·01
					− ·006	− ·04
3565	8·4	G	17·8	3	+ ·001	+ ·03
		Z	25·1	1	− ·003	− ·04
					·000	+ ·02
3566	9·0	Z	26·1	2	− ·005	− ·03
3568	8·3	Z	24·4	2	− ·001	− ·02
3570	9·0	Z	23·3	1	− ·005	− ·11
3571	8·8	Z	23·3	4	− ·009	+ ·02
3572	7·7	t	61·0	3	− ·005	+ ·03
		G	22·9	4	− ·005	+ ·01
		8o	23·0	3	− ·007	− ·03
					− ·005	+ ·01
3573	9·0	Z	21·8	1	+ ·002	− ·02
3576	6·5	t	59·6	3	− ·006	− ·04
		5o	46·0:46·6	2:3	− ·004	− ·05
		G	22·9	4	− ·007	+ ·01
		8o	21·4	4	·000	− ·03
		85	13·8	1:2	− ·007	− ·02
		9o	9·5	5	− ·002	+ ·02
					− ·005	− ·04
3577	8·9	Z	23·8	2	− ·014	+ ·01
3578	8·0	G	17·7	7	− ·003	− ·07
		Z	22·0	1	+ ·003	·00
					− ·002	− ·06
3579	8·6	Z	25·0	1	− ·010	− ·10
3580	9·0	Z	23·7	1	− ·005	− ·08
3581	9·0	Z	23·4	1	− ·002	− ·05
3583	8·1	Z	25·4	3	− ·005	− ·08
3584	8·0	G	18·8	3	− ·009	− ·03
		Z	23·9	2	− ·007	− ·03
		9o	10·9	1	+ ·005	+ ·02
					− ·009	− ·03
3586	8·2	G	17·8	4	− ·001	+ ·01
		Z	23·9	2	·000	− ·02
					− ·001	·00
3587	9·0	Z	22·9	1	+ ·001	+ ·07
3588	9·0	Z	22·8	1	− ·002	+ ·02
3590	8·5	G	18·9	3	− ·001	− ·04
		Z	25·0	1	− ·003	+ ·02
					− ·001	− ·03
3592	9·2	Z	23·8	2	− ·009	+ ·07
3593	8·8	Z	26·1	1	+ ·007	+ ·04
3595	9·3	Z	25·1	1	− ·003	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3596	8·8	Z	23·9	4	−0·003	−0·04
3597	8·8	Z	23·9	2	− ·010	− ·07
3598	8·2	G	19·9	4	− ·003	− ·07
		Z	22·9	1	− ·006	+ ·03
					− ·003	− ·06
3599	8·8	Z	24·6	3	− ·007	+ ·07
3600	7·5	G	16·1	3	− ·002	− ·01
		Z	23·1	1	+ ·003	+ ·02
					− ·001	·00
3603	8·5	Z	25·1	1	+ ·003	+ ·03
3605	9·3	Z	23·0	1	+ ·001	·00
		Ms	31·9	5	+ ·001	− ·01
					+ ·001	− ·01
3606	7·9	t	59·0	3	− ·010	− ·01
		G	23·9	3:4	− ·007	− ·05
		80	23·0	3	− ·001	− ·01
					− ·008	− ·02
3610	6·9	t	59·6	3	− ·009	− ·02
		50	46·0	2	...	− ·03
		G	22·9	4	− ·009	− ·02
		80	21·9	3	·000	− ·01
					− ·007	− ·02
3611	7·8	t	60·8	3	− ·002	+ ·03
		G	22·9	4	− ·002	+ ·01
		80	23·0	3	− ·004	+ ·02
					− ·002	+ ·02
3612	8·9	Z	24·8	1	− ·006	·00
3613	8·4	Z	23·5	3	− ·002	·00
3614	8·9	Z	22·9	1	− ·005	− ·01
3616	8·8	Z	23·0	1	− ·010	+ ·05
3617	8·7	G	19·0	3	+ ·001	− ·08
		80	22·0	3	+ ·012	+ ·01
					+ ·006	− ·01
3618	9·1	Z	25·6	2	− ·004	− ·02
3619	9·0	Z	23·7	1	− ·006	− ·09
3621	8·9	Z	23·8	2	− ·001	− ·02
3622	9·6	Z	23·6	1	− ·002	− ·08
3623	7·8	t	59·5:58·9	4:3	− ·008	− ·02
		40	62·3	4	− ·005	...
		G	23·0	3	− ·006	− ·09
		80	23·0	3	− ·013	− ·01
					− ·006	− ·02
3624	8·0	G	19·1	4	− ·006	− ·01
		Z	24·3	3	− ·004	− ·05
					− ·005	− ·02
3625	7·0	t	56·6	5	− ·003	+ ·01
		50	43·8:44·9	1:2	+ ·008	·00
		G	19·5	5	+ ·006	− ·02
		80	19·0	3	− ·002	− ·04
					·000	·00
3626	6·5	t	60·7	3	−0·006	+0·01
		40	58·9	2	...	− ·02
		50	48·0	2	...	− ·01
		G	24·9	4	− ·010	− ·04
		80	23·0	3	− ·004	·00
					− ·006	− ·01
3627	8·5	Z	24·2	5	− ·003	− ·05
3629	8·5	Z	22·7	1	·000	+ ·06
3630	8·0	Z	23·4	1	− ·003	− ·14
3631	8·0	G	18·9	3	− ·003	− ·05
		Z	25·1	1	− ·005	− ·02
					− ·003	− ·04
3632	5·3	50	45·8:48·6	1:3	+ ·009	− ·08
		65	30·0	1	+ ·005	− ·05
		G	23·0	9	− ·001	− ·05
		80	22·0	3	+ ·003	− ·05
					+ ·003	− ·07
3633	9·0	Z	25·0	2	− ·010	− ·02
3634	8·5	Z	25·1	3	− ·003	− ·02
3635	8·2	Z	23·8	2	− ·010	+ ·03
3636	8·5	Z	22·4	1	·000	+ ·04
		Ms	29·7	7	− ·005	+ ·03
					− ·005	+ ·03
3638	8·9	Z	25·0	3	− ·010	− ·02
3639	8·9	Z	24·4	4	·000	− ·04
3643	8·8	Z	24·8	1	+ ·002	·00
3644	9·3	G	16·0	1	− ·024	+ ·04
		Z	25·6	2	− ·005	+ ·01
					− ·016	+ ·02
3645	8·9	Z	24·3	3	− ·005	− ·05
3646	7·3	G	16·8	3	− ·003	− ·03
		Z	22·9	2	− ·009	− ·05
					− ·004	− ·04
3647	7·9	G	22·2	5	− ·007	− ·06
		80	23·0	3	− ·013	+ ·01
					− ·009	− ·02
3648	8·0	Z	23·9	1	− ·015	+ ·03
3649	5·2	t	61·0	3	− ·003	+ ·02
		40	63·1:58·9	4:3	− ·001	− ·02
		50	46·9:47·7	1:3	− ·002	− ·02
		G	24·9	5	− ·009	+ ·01
		Ms	21·0	5	+ ·002	− ·07
		80	23·0	3	− ·001	+ ·01
		90	5·0	12	+ ·004	− ·06
					− ·002	− ·01
3650	7·1	t	60·0	3	− ·007	+ ·01
		G	21·2	5	− ·003	− ·05
		80	21·9	3	− ·003	+ ·01
					− ·005	·00
3651	8·6	Z	24·0	4	−0·005	−0·04
3652	9·2	G	17·8	1	− ·003	− ·10
3654	8·0	G	16·4	3	− ·007	− ·06
		Z	23·4	1	− ·008	− ·07
					− ·007	− ·06
3655	8·9	Z	23·8	2	− ·010	− ·02
3656	8·4	G	19·9	3	− ·006	− ·08
		Z	23·9	2	− ·003	− ·08
					− ·005	− ·08
3657	9·5	Z	23·4	1	− ·003	− ·01
3658	7·8	G	21·9	4:5	+ ·004	+ ·01
		80	21·9:20·6	3	+ ·004	+ ·03
					+ ·004	+ ·02
3659	9·0	G	15·7	3	− ·012	− ·11
		Z	23·7	2	− ·001	− ·01
					− ·010	− ·08
3660	7·0	G	19·2	5	·000	− ·13
		80	19·1	3	− ·001	− ·14
					·000	− ·14
3661	7·5	G	20·2	5	− ·002	·00
		80	20·9	3	− ·012	+ ·03
					− ·005	+ ·02
3663	9·2	Z	26·0	1	+ ·001	+ ·09
3665	8·4	Z	24·6	3	+ ·002	− ·02
3667	9·0	Z	22·7	1	− ·003	+ ·03
		Ms	31·2	5	·000	·00
					·000	·00
3668	8·9	Z	24·9	3	− ·002	+ ·03
3669	8·7	Z	24·8	1	+ ·002	− ·02
3670	8·9	Z	24·9	1	− ·004	+ ·09
3673	9·3	Z	23·0	1	− ·007	+ ·13
3675	6·0	t	60·7	3	− ·008	− ·05
		40	59·0:58·9	4:2	− ·006	− ·06
		50	46·9:47·1	1:2	− ·005	− ·05
		G	21·0	4	− ·009	− ·05
		Ms	21·0	5	− ·006	− ·08
		80	23·0	4	− ·005	− ·03
					− ·006	− ·05
3676	8·5	Z	22·9	1	− ·005	+ ·04
3677	6·0	t	61·0	3:2	− ·012	+ ·01
		50	46·3:49·0	1	− ·004	+ ·01
		G	21·0	4	− ·005	− ·02
		80	23·0	4	− ·009	+ ·02
					− ·009	+ ·01
3679	8·9	Z	25·0	2	− ·002	− ·12

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
3680	8·5	G	18·4	4	−0·005	−0·06
		Z	23·6	1	− ·009	·00
					− ·006	− ·05
3681	8·1	Z	24·1	5	− ·009	·00
3682	8·0	G	16·9	3	− ·004	− ·02
		8o	19·6:19·4	3	− ·008	− ·01
					− ·006	− ·01
3683	8·0	t	58·2	3	− ·007	− ·04
		G	17·7	4	− ·008	− ·03
		8o	19·1	3	− ·011	− ·03
					− ·008	− ·04
3684	9·0	Z	25·1	1	− ·015	+ ·01
3686	7·0	G	18·5	5	− ·017	− ·04
		8o	19·0	3	− ·014	·00
					− ·016	− ·02
3687	8·5	Z	24·8	1	·000	− ·01
3688	7·5	t	58·5	3	− ·003	+ ·02
		G	21·5	4	− ·009	+ ·02
		8o	18·8	3	− ·013	− ·04
					− ·006	+ ·01
3689	8·3	Z	26·0	1	+ ·003	+ ·03
3690	9·5	G	21·5	6	− ·008	− ·04
		8o	19·3	3	− ·010	− ·06
					− ·009	− ·05
3691	8·0	G	18·9	3	− ·004	− ·07
		8o	22·4	4	− ·009	− ·02
					− ·006	− ·03
3692	7·5	G	22·3	5	− ·002	− ·02
		8o	20·0	3	+ ·002	− ·03
					− ·001	− ·03
3694	8·4	G	18·9	3	+ ·002	− ·02
		Z	24·7	3	+ ·005	+ ·01
					+ ·003	− ·01
3695	8·3	Z	25·0	2	− ·003	+ ·02
3696	9·5	Z	23·1	1	+ ·001	+ ·03
3697	8·1	Z	24·9	2	+ ·001	·00
		8o	23·0	3	− ·006	− ·01
					− ·005	− ·01
3698	9·2	Z	23·8	1	− ·003	− ·07
3699	8·5	Z	22·9	2	− ·004	+ ·03
3700	7·3	t	59·5	4	− ·009	− ·02
		G	22·8	6	− ·011	− ·04
		8o	21·9	3	− ·004	·00
					− ·009	− ·02
3701	9·0	Z	25·0	1	− ·009	·00
3702	8·4	Z	25·1	1	− ·003	− ·04
3704	8·6	Z	24·0	2	− ·006	− ·09
3706	8·3	Z	25·0	4	− ·002	+ ·01
3707	6·5	t	58·1	3	−0·005	−0·01
		4o	60·1	4	− ·004	...
		5o	44·0:45·1	2	− ·006	·00
		G	20·9	3	− ·003	− ·01
		8o	19·0	3	− ·004	− ·04
					− ·004	− ·01
3708	9·5	G	22·0	4	− ·002	+ ·05
		Z	24·8	1	− ·001	+ ·04
					− ·002	+ ·05
3713	8·5	Z	23·5	1	− ·003	+ ·02
3714	7·8	t	59·6	3	− ·003	·00
		G	19·2	4	·000	·00
		8o	20·9	2	·000	+ ·04
					− ·002	+ ·01
3715	7·9	Z	24·9	1	− ·004	− ·03
3717	6·7	t	59·9	3	− ·003	− ·04
		5o	45·9:46·9	2	+ ·003	− ·03
		G	22·8	4	− ·006	− ·01
		8o	21·9	3	+ ·001	·00
		9o	9·2	11	+ ·002	− ·02
					− ·001	− ·03
3718	9·6	Z	23·8	1	− ·004	+ ·02
3719	8·5	Z	23·1	1	− ·005	− ·04
3720	8·4	Z	25·1	1	− ·007	− ·03
3721	9·3	Z	24·8	1	·000	− ·04
3722	7·5	G	19·3	5	− ·003	− ·04
		8o	18·6	3	− ·012	− ·03
					− ·006	− ·03
3726	8·3	G	19·5	4	− ·002	− ·01
		8o	22·9	3	− ·004	·00
					− ·003	·00
3729	6·0	t	64·1:63·8	11	− ·004	+ ·06
		4o	60·5	12	...	+ ·04
		5o	44·7	3	...	+ ·05
		6o	36·0	1	− ·005	+ ·05
		65	29·2	3	− ·006	+ ·02
		M	25·9	3	− ·004	+ ·06
		G	16·1:16·0	15:16	− ·014	·00
		Ms	18·0	5	− ·007	+ ·04
		8o	19·0	4	− ·003	+ ·02
					− ·006	+ ·04
3730	8·6	Z	24·9	2	+ ·001	·00
3731	8·0	G	24·2	5	− ·004	− ·02
		8o	23·0	3	− ·003	+ ·01
					− ·004	·00
3732	8·0	G	21·9	4:3	− ·004	− ·03
		8o	21·9	3	− ·010	+ ·01
					− ·007	·00
3733	9·0	Z	24·8	1	− ·007	+ ·01
3734	8·1	Z	25·0	2	+ ·002	·00
3735	9·0	Z	23·5	1	+ ·003	+ ·07
3736	8·0	G	16·4	3	− ·003	− ·09
		Z	22·5	1	− ·002	− ·01
					− ·003	− ·07
3737	8·1	Z	24·9	1	−0·005	0·00
3739	7·0	G	22·5	4	− ·019	·00
		8p	19·2	3	− ·016	− ·01
					− ·017	− ·01
3740	8·2	Z	25·5	2	− ·022	+ ·09
3742	8·0	G	19·2	4	·000	− ·14
3744	8·5	8o	19·1	3	− ·011	− ·08
3745	8·0	G	18·9	3	− ·001	− ·10
		Z	23·6	1	·000	− ·06
					− ·001	− ·09
3746	9·3	Z	25·0	1	+ ·005	− ·04
3747	8·8	G	17·9	3	− ·006	− ·08
		Z	23·0	1	+ ·006	+ ·01
					− ·004	− ·06
3750	8·8	Z	25·0	1	− ·012	− ·06
3752	9·2	Z	23·9	1	− ·008	·00
3753	9·3	Z	23·9	1	− ·001	+ ·06
3754	6·0	t	58·4	3	− ·002	− ·01
		5o	44·6:45·8	1:2	·000	− ·02
		G	22·7	4	− ·008	− ·01
		8o	19·7	2	− ·007	− ·05
					− ·003	− ·02
3755	8·8	Z	23·9	1	− ·002	+ ·07
3756	8·7	Z	24·8	1	+ ·001	− ·09
3757	9·2	Z	23·0	1	− ·003	·00
3758	6·5	G	24·0	3	− ·018	− ·12
		8o	19·1	4	− ·016	− ·08
					− ·017	− ·09
3759	8·0	G	16·9	3	− ·004	− ·08
		8o	18·0	3	− ·013	− ·07
					− ·008	− ·07
3760	7·3	t	59·5	3	− ·002	− ·07
		G	22·9	4	− ·002	− ·10
		8o	19·9	3	− ·003	− ·10
					− ·002	− ·08
3761	8·5	Z	25·0	3	− ·001	+ ·02
3763	9·2	Z	24·9	1	− ·007	+ ·07
3766	7·3	t	57·9	3	− ·001	− ·03
		G	22·2	4	− ·014	− ·03
		8o	18·9	3	+ ·001	·00
					− ·003	− ·02
3767	8·1	G	17·9	3	− ·006	− ·06
		Z	24·8	1	− ·007	− ·04
					− ·006	− ·06
3768	8·0	G	17·0	3	− ·010	− ·10
		Z	22·9	2	− ·003	+ ·01
					− ·009	− ·06
3769	8·2	t	58·9:58·4	9:12	− ·007	− ·03
		G	21·8	4	− ·005	+ ·03
		8o	21·5	4	− ·009	− ·01
					− ·007	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
3770	8·6	Z	24·4	2	−0·004	0·00
3771	7·7	Z	24·9	1	− ·001	− ·01
3772	7·0	G	21·0	4	− ·007	·00
		8o	19·5	3	− ·009	− ·01
					− ·008	− ·01
3773	8·3	Z	25·0	1	− ·004	+ ·01
3774	10·0	Z	22·9	1	− ·003	− ·01
3775	8·8	Z	22·8	1	+ ·005	+ ·01
3776	8·8	G	23·9	1	− ·008	− ·04
		8o	23·0	3	− ·005	− ·03
					− ·006	− ·03
3777	9·0	Z	24·9	1	− ·001	− ·06
3778	7·0	G	16·9	3	− ·007	− ·08
		Z	22·9	1	− ·003	− ·02
					− ·006	− ·07
3779	8·8	Z	23·8	1	− ·003	− ·13
3781	8·6	Z	25·0	1	+ ·007	− ·04
3783	9·1	Z	24·8	1	+ ·004	− ·05
3788	8·7	t	57·9	3	− ·008	− ·01
		G	19·1	4	− ·007	− ·04
		8o	19·3	3	− ·017	− ·05
					− ·010	− ·02
3789	8·7	Z	24·8	1	+ ·002	− ·04
3790	8·5	Z	23·0	1	·000	+ ·01
3791	8·0	t	57·6	5	− ·004	− ·02
		G	20·3	6	− ·002	− ·01
		8o	19·9	4	− ·012	− ·03
					− ·004	− ·02
3793	8·4	Z	23·9	2	− ·005	+ ·05
3794	9·1	Z	24·8	1	− ·004	− ·06
3795	7·0	t	59·6:59·7	3:4	− ·002	− ·04
		G	20·9	6	− ·006	− ·07
		8o	20·6	3	− ·004	− ·03
		9o	6·9	4	+ ·003	+ ·01
					− ·004	− ·04
3796	8·9	Z	25·0	2	− ·007	+ ·01
3797	8·5	G	16·7	4	− ·004	− ·10
		Z	23·1	1	− ·002	− ·02
					− ·004	− ·09
3798	9·8	Z	25·0	1	− ·019	− ·05
3799	8·5	Z	25·0	2	+ ·005	− ·10
3802	9·1	Z	22·8	1	+ ·003	·00
3805	8·6	Z	22·8	1	− ·012	− ·11
3808	8·5	G	15·6	3	− ·002	+ ·01
		Z	23·0	2	·000	+ ·04
					− ·002	+ ·02
3809	9·0	Z	23·7	1	−0·001	−0·08
3813	8·5	Z	25·0	1	+ ·002	− ·02
3814	6·5	G	21·5:21·4	4:5	− ·005	− ·03
		8o	18·9	4	− ·008	− ·02
					− ·006	− ·02
3815	9·3	Z	22·8	1	− ·001	− ·07
3816	8·8	Z	23·2	1	− ·001	− ·03
3818	7·7	t	60·7	3	− ·007	− ·07
		4o	62·3	5	− ·004	...
		G	22·9	4	− ·004	− ·01
		8o	23·0	3	− ·005	+ ·03
					− ·005	− ·04
3819	8·0	G	19·6	3	+ ·001	− ·01
		8o	21·6	3	− ·001	·00
					·000	·00
3820	7·6	t	59·6	3	− ·002	− ·01
		G	20·0	3	− ·002	− ·12
		8o	18·9	3	− ·010	− ·07
					− ·004	− ·03
3821	8·9	Z	25·0	1	− ·008	·00
3822	8·1	Z	25·0	1	− ·002	− ·03
3823	8·3	Z	24·9	2	− ·005	·00
3824	8·0	Z	23·9	2	+ ·001	− ·06
		8o	21·8	4	− ·004	+ ·01
					− ·003	·00
3826	8·8	Z	24·9	1	− ·002	− ·02
3828	9·5	Z	23·8	1	− ·006	+ ·03
3829	8·0	Z	23·4	1	+ ·003	− ·07
3830	8·0	G	20·6	4	·000	− ·08
		8o	19·7	3	− ·009	− ·08
					− ·004	− ·08
3831	8·5	Z	23·6	1	− ·004	− ·07
3832	6·5	t	58·7	3	− ·003	− ·02
		4o	60·4	4	− ·004	...
		G	18·4:18·5	8:7	− ·009	− ·08
		8o	19·4	3	− ·006	− ·03
					− ·005	− ·03
3833	8·3	Z	24·9	1	+ ·005	− ·04
3834	8·6	Z	24·8	1	+ ·006	− ·02
3837	8·7	Z	25·0	2	− ·002	− ·01
3839	8·0	G	15·9	4:3	·000	− ·03
		Z	22·9	1	+ ·002	− ·02
					·000	− ·03
3840	8·1	G	19·9	4	+ ·005	− ·01
		Z	23·0	3	+ ·001	+ ·04
					+ ·004	·00
3841	9·5	Z	22·8	1	−0·003	+0·04
3842	9·0	Z	23·4	1	− ·004	·00
3843	7·3	t	60·7	3	− ·006	+ ·01
		G	21·4	5	− ·004	− ·02
		8o	23·0	3	− ·005	+ ·02
					− ·005	+ ·01
3844	9·0	Z	22·3	2	− ·009	+ ·02
3845	7·4	G	18·4	4	− ·002	− ·04
		Z	24·9	2	− ·004	− ·01
					− ·002	− ·03
3846	8·3	Z	23·9	2	− ·005	− ·11
3848	9·0	Z	22·9	1	+ ·003	+ ·01
3849	7·9	t	58·5	7	− ·013	+ ·01
		G	21·9	4	− ·012	+ ·03
		8o	21·2	6	− ·015	+ ·04
					− ·013	+ ·02
3850	8·9	Z	24·9	3	− ·002	− ·02
3851	9·0	Z	23·0	1	− ·007	+ ·02
3854	9·0	Z	24·8	1	+ ·002	+ ·08
3855	9·0	Z	22·9	1	− ·005	− ·07
3858	8·4	Z	23·9	1	− ·002	− ·03
3859	8·5	Z	24·9	2	− ·004	− ·03
3860	9·1	Z	25·1	1	+ ·005	+ ·02
3861	8·5	Z	22·9	2	− ·003	− ·08
3863	9·1	Z	24·9	1	·000	− ·01
3865	9·0	Z	23·5	1	− ·002	+ ·02
3867	8·6	Z	25·0	1	+ ·002	+ ·06
3868	8·4	Z	23·8	1	+ ·029	− ·01
3869	8·5	Z	23·4	2	− ·003	− ·16
3870	9·3	Z	23·0	1	− ·008	+ ·35
3874	7·0	G	19·6	4	− ·001	− ·04
		8o	19·2	3	− ·008	− ·05
					− ·004	− ·05
3875	8·9	Z	24·9	2	+ ·003	− ·02
3877	8·7	Z	25·0	1	− ·003	− ·03
3879	3·0	t	65·8:65·0	16:9	+ ·007	− ·06
		5o	48·3	1	...	− ·07
		6o	39·0	5	+ ·005	− ·05
		65	32·1	1	+ ·008	− ·08
		M	30·0	3	+ ·003	− ·05
		G	23·8	4	+ ·004	− ·09
		Ms	20·0	10	+ ·004	− ·12
		8o	23·0	4	+ ·008	− ·07
		85	15·0	13	+ ·005	− ·09
		9o	8·7	12	+ ·006	− ·10
					+ ·005	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
3880	8·5	Z	23·3	1	+0·001	−0·08
3881	9·3	Z	24·8	1	+ ·001	− ·02
3886	8·5	Z	25·0	1	+ ·001	+ ·05
3888	8·3	Z	25·0	1	+ ·001	+ ·09
		Ms	29·9	5	− ·006	− ·03
					− ·005	− ·02
3889	8·9	Z	24·8	1	·000	− ·04
3890	7·5	G	19·9	6	− ·017	+ ·03
		80	21·9	3	− ·015	+ ·03
		90	8·4	6	− ·014	+ ·07
					− ·016	+ ·04
3891	9·0	Z	23·4	1	− ·003	+ ·01
3892	7·8	t	59·7	3	− ·012	+ ·02
		G	20·3	4	− ·009	·00
		Ms	31·5	4	− ·012	+ ·02
		80	22·0	3	− ·004	+ ·03
					− ·010	+ ·02
3893	9·2	G	20·2	3	− ·002	− ·06
3894	8·0	Z	24·9	1	·000	− ·01
3896	8·9	Z	24·9	2	·000	− ·08
3897	7·5	t	59·0	3	− ·008	·00
		G	21·8	3	− ·012	− ·03
		80	19·9	3	− ·014	− ·04
					− ·010	− ·01
3898	8·0	Z	22·1	1	− ·006	− ·10
3900	8·8	Z	25·0	1	+ ·004	− ·08
3902	9·0	Z	24·9	2	− ·002	− ·02
3903	8·5	G	23·9	4	− ·004	+ ·04
		80	23·0	3	+ ·002	+ ·07
					− ·001	+ ·06
3904	9·0	Z	22·9	1	− ·003	− ·07
3907	7·0	t	61·0	3	·000	− ·04
		G	22·9	4	+ ·006	− ·09
		80	23·0	3	− ·001	− ·05
					+ ·001	− ·05
3908	9·0	Z	23·9	1	− ·005	− ·06
3910	8·3	Z	25·0	1	− ·004	·00
3912	8·1	t	59·7	3	− ·006	− ·05
		G	21·9	4	+ ·001	− ·04
		Ms	30·2	5	− ·007	− ·03
		80	22·0	3	− ·001	+ ·01
					− ·005	− ·03
3916	8·3	Z	24·9	1	− ·006	+ ·02
3917	8·5	Z	23·1	1	− ·017	− ·04
3918	8·8	Z	25·0	1	− ·008	·00
3919	8·0	G	20·9	4	− ·014	− ·05
		80	19·0	3	− ·011	− ·05
					− ·012	− ·05
3920	7·9	t	59·7:60·0	5:4	−0·007	−0·01
		G	21·2	7	− ·005	− ·03
		80	23·0	3	− ·007	+ ·03
					− ·006	− ·01
3922	8·8	Z	24·9	2	− ·005	− ·12
3924	8·8	Z	24·8	1	− ·002	− ·02
3925	9·0	Z	23·9	1	+ ·006	− ·08
3928	8·6	G	18·8	3	− ·002	+ ·02
		Z	24·9	1	− ·003	− ·08
					− ·002	·00
3929	6·4	G	21·1	4	− ·008	− ·01
		80	18·9	3	− ·007	− ·02
		90	8·4:8·5	13:15	− ·005	− ·04
					− ·007	− ·02
3930	6·8	t	58·0	3	− ·003	− ·01
		40	60·1	4	− ·007	...
		G	21·1	4	− ·006	− ·01
		80	19·0	3	− ·007	− ·02
					− ·006	− ·01
3933	9·0	Z	23·9	1	− ·003	− ·15
3934	8·2	Z	23·8	2	+ ·001	− ·06
3939	8·3	Z	23·9	2	− ·006	+ ·01
3940	8·9	Z	23·8	1	− ·001	− ·06
3941	8·5	G	19·6	5	− ·015	− ·14
		Z	22·0	1	− ·021	− ·02
					− ·016	− ·13
3943	7·0	G	24·9	5	− ·011	− ·04
		80	22·9	3	− ·004	·00
		90	5·0	6	− ·006	− ·08
					− ·009	− ·02
3945	8·8	Z	24·9	2	·000	+ ·06
3946	8·8	Z	25·0	1	− ·004	+ ·05
3947	8·8	Z	24·9	1	·000	+ ·02
3948	7·3	t	60·0	3	− ·005	·00
		G	22·9	5	− ·011	− ·01
		80	22·0	3	− ·006	·00
					− ·007	·00
3949	8·9	Z	24·8	1	− ·002	− ·01
3950	8·0	G	21·9	4	·000	+ ·03
		80	20·9	3	− ·002	+ ·01
					− ·001	+ ·02
3951	8·3	Z	22·4	2	·000	− ·05
3955	9·4	Z	23·9	1	+ ·003	− ·15
3957	6·2	t	58·9	3	− ·003	− ·02
		50	44·9:46·1	2	− ·002	·00
		G	22·8	4:5	− ·011	− ·02
		80	19·0	6	− ·007	− ·01
					− ·005	− ·01
3958	5·0	t	61·6:62·1	3:4	+0·002	−0·07
		40	59·6:56·3	4:3	+ ·001	+ ·01
		50	44·5:45·4	3:2	+ ·001	+ ·01
		G	21·7	6	− ·002	− ·03
		80	19·4	3	− ·006	·00
		m	16·3	3	+ ·002	+ ·01
		90	6·5	12	− ·001	·00
					·000	− ·02
3960	8·0	G	19·9	4	·000	− ·02
		80	18·8	4	− ·009	− ·06
					− ·004	− ·04
3961	8·8	Z	25·1	1	− ·003	− ·04
3962	8·0	G	19·3	4	− ·006	− ·04
3963	8·0	G	21·9	4	+ ·006	·00
		80	21·9	4:3	·000	− ·01
					+ ·003	− ·01
3964	8·9	Z	24·9	2	− ·006	− ·08
3965	8·5	Z	23·9	1	− ·001	− ·03
3966	8·7	Z	24·9	2	+ ·002	·00
3967	8·0	Z	25·0	1	+ ·003	− ·01
3968	8·7	Z	24·8	1	+ ·007	− ·12
3069	9·3	Z	22·1	1	·000	− ·08
3970	8·2	G	17·2	4	− ·008	− ·10
3971	7·9	G	22·5	5	− ·006	+ ·01
		80	22·9	3	− ·005	− ·01
					− ·006	·00
3974	8·5	G	20·1	4	− ·010	·00
		Z	25·0	1	− ·002	− ·03
					− ·009	·00
3975	9·3	Z	25·1	1	− ·010	+ ·08
3979	8·0	Z	24·9	1	− ·004	− ·10
3980	9·0	Z	23·7	1	− ·007	− ·02
3981	8·3	Z	24·9	1	+ ·002	− ·01
3982	8·5	Z	22·1	1	− ·014	+ ·03
		80	19·0	2	− ·008	+ ·03
					− ·009	+ ·03
3984	8·5	Z	25·0	1	− ·007	·00
3985	7·3	t	60·6	3	− ·007	·00
		G	21·1	3	− ·011	− ·01
		80	21·6	3	− ·011	·00
					− ·009	·00
3986	8·0	t	57·5	6	− ·003	− ·01
		G	17·9	4	− ·001	− ·05
		80	19·3	3	− ·006	− ·06
					− ·003	− ·02
3987	9·4	Z	23·9	1	·000	+ ·05
3988	6·5	t	59·2	3	− ·015	·00
		50	47·9	1	...	+ ·02
		G	22·1	5	− ·013	·00
		Ms	16·0	5	− ·011	− ·01
		80	21·9	4	− ·011	+ ·02
					− ·014	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
3990	8·0	Z	25·0	1	−0·008	−0·02
3991	9·3	Z	22·5	1	− ·004	·00
		Ms	14·6	5	− ·001	− ·14
					− ·002	− ·11
3993	7·8	G	21·2:21·1	4:5	− ·005	− ·07
		8o	22·0	3	+ ·005	·00
					·000	− ·03
3994	6·5	G	22·8	4	− ·005	− ·05
		8o	22·9	3	+ ·001	− ·03
					− ·002	− ·04
3995	9·3	Z	25·0	1	− ·009	+ ·03
3996	9·0	Z	23·0	1	+ ·004	− ·03
3997	8·5	Z	24·9	1	− ·012	− ·03
3998	8·3	Z	23·9	1	− ·004	·00
4001	8·7	Z	24·9	1	·000	− ·08
4002	7·6	t	59·6	3	− ·003	− ·03
		5o	46·9	2	·000	...
		G	21·3	5	− ·005	− ·01
		8o	21·9	5	− ·009	− ·01
		m	20·9	3:4	− ·003	+ ·03
					− ·004	− ·01
4003	7·0	5o	48·0	2	...	− ·11
		G	21·6	5	− ·003	− ·12
		8o	22·9	3	·000	− ·08
					− ·002	− ·10
4004	7·5	G	16·2	3	+ ·009	− ·15
		Z	23·2	1	+ ·009	− ·17
					+ ·009	− ·15
4005	7·3	G	15·9	3	− ·011	+ ·11
		Z	25·0	3	− ·008	− ·02
					− ·010	+ ·07
4006	7·0	t	61·0	3	− ·008	+ ·01
		G	24·9	5	− ·015	− ·01
		8o	23·0	3	− ·001	+ ·02
					− ·009	+ ·01
4007	8·9	Ms	28·1	5	− ·003	− ·01
4009	8·8	Z	24·9	2	− ·003	− ·02
4011	7·2	t	59·3:58·4	5:8	− ·004	·00
		5o	48·9	1	...	− ·02
		G	23·1	5	− ·008	− ·01
		8o	22·9	3	− ·001	+ ·03
		9o	5·0	4	− ·004	− ·14
					− ·005	·00
4013	8·3	G	17·6	3	− ·016	·00
		Z	23·6	1	− ·006	+ ·01
					− ·015	·00
4014	7·2	t	60·8	3	− ·009	+ ·09
		5o	48·4	2	...	+ ·11
		G	22·6	5	− ·007	+ ·10
		8o	23·0	3	− ·003	+ ·12
					− ·007	+ ·10
4015	9·4	Z	24·8	1	− ·001	− ·05
4020	8·5	Z	23·0	1	·000	− ·06
4021	9·1	Z	25·0	2	+ ·002	+ ·03
4022	9·5	Z	23·0	1	+0·006	0·00
4025	9·1	Z	24·5	2	− ·002	+ ·04
4029	8·5	Z	22·6	1	− ·008	− ·03
4030	7·8	t	60·7	3	− ·007	− ·03
		G	22·9	4	− ·002	− ·03
		8o	23·0	3	+ ·003	− ·03
					− ·004	− ·03
4031	7·8	G	22·8	5	− ·005	− ·03
		8o	20·8	4	− ·004	− ·05
					− ·005	− ·04
4034	7·8	G	20·4	4	− ·002	− ·05
		8o	19·4	3	− ·006	− ·01
					− ·004	− ·03
4035	8·0	G	16·1	3	·000	− ·15
		Z	22·3	1	− ·004	− ·03
					− ·001	− ·13
4037	8·8	Z	23·9	2	− ·003	− ·06
4038	7·0	t	59·7	3	− ·011	− ·03
		5o	45·9:46·9	2	− ·010	− ·01
		G	21·8	4	− ·005	− ·02
		8o	21·9	3	− ·002	+ ·05
		m	17·9	3	− ·006	+ ·06
					− ·008	·00
4039	9·2	Z	25·0	2	+ ·002	+ ·02
4040	8·1	G	21·8	4	− ·008	− ·04
		8o	21·9	3	− ·010	·00
					− ·009	− ·02
4042	6·0	t	60·7	3	− ·010	·00
		4o	62·9:58·9	3	− ·014	+ ·03
		5o	46·9:47·6	2	− ·014	+ ·01
		G	21·9	5	− ·014	+ ·01
		8o	23·0	3	− ·007	+ ·03
					− ·013	+ ·01
4043	9·0	Z	23·0	1	− ·008	·00
4045	6·5	G	20·3	4	− ·005	− ·03
		8o	19·4	3	− ·009	− ·07
					− ·007	− ·05
4046	8·3	Z	24·9	1	+ ·003	− ·04
		8o	21·9	3	+ ·002	− ·06
					+ ·002	− ·06
4048	7·3	t	60·5	3	− ·005	− ·01
		G	22·8	4	− ·004	− ·03
		8o	22·9	3	·000	+ ·03
					− ·004	·00
4051	9·3	Z	23·0	1	− ·003	+ ·06
4052	7·5	G	21·9	4	− ·005	− ·03
		8o	19·9	3	− ·007	− ·03
					− ·006	− ·03
4056	6·5	G	21·3	4	− ·009	− ·05
		8o	19·3	2	− ·014	− ·07
					− ·011	− ·06
4057	9·0	Z	23·9	1	− ·003	− ·03
4058	8·6	Z	24·5	2	− ·011	− ·02
4059	7·5	t	57·8	6	−0·004	0·00
		G	21·0	7	− ·007	− ·06
		8o	19·7	3	− ·007	− ·02
					− ·005	− ·01
4060	7·4	t	58·3	3	− ·019	+ ·08
		G	20·4	4	− ·017	+ ·06
		8o	19·0	4	− ·029	+ ·03
					− ·021	+ ·07
4061	9·1	Z	25·5	2	− ·001	− ·10
4063	8·9	Z	22·8	1	− ·010	+ ·01
4064	7·5	G	20·9:20·3	6:5	− ·020	− ·07
		8o	22·0	3	− ·010	− ·01
					− 017	− ·03
4065	8·0	G	22·4:22·5	4:5	− ·005	− ·07
		8o	22·0	3	+ ·001	− ·05
		9o	9·5	6	− ·003	− ·03
					− ·002	− ·05
4067	9·5	Z	23·2	1	− ·005	− ·01
4068	8·7	Z	25·0	1	− ·011	+ ·01
		Ms	31·0	5	− ·019	·00
					− ·018	·00
4069	8·1	G	18·9	3	− ·006	− ·02
		Z	24·5	2	− ·007	− ·01
					− ·006	− ·02
4070	8·2	Z	24·9	1	+ ·004	− ·18
4071	8·1	Z	23·9	1	− ·020	− ·08
4072	8·8	Z	26·0	1	− ·004	+ ·01
4073	9·0	Z	24·8	3	− ·003	− ·04
4074	9·3	Z	25·0	1	− ·002	+ ·07
4075	8·5	Z	23·2	1	− ·006	− ·05
4076	7·8	G	17·9	3	− ·001	− ·01
		Z	24·8	1	− ·012	− ·06
		Ms	16·1	5	− ·009	− ·06
					− ·003	− ·04
4077	8·5	G	18·4	4	− ·009	− ·07
		Z	23·0	1	− ·003	+ ·10
					− ·008	− ·05
4078	8·5	G	21·9	4	− ·006	+ ·04
		8o	22·0	3	− ·005	·00
					− ·005	+ ·02
4079	7·8	t	60·8	3	− ·010	− ·03
		G	21·3	5	− ·002	·00
		8o	22·9	3	− ·004	·00
					− ·006	− ·02
4082	8·7	Z	23·7	1	+ ·004	+ ·02
4083	7·9	Z	24·9	1	+ ·008	+ ·07
4084	8·4	Z	23·9	1	+ ·007	− ·07
4086	8·0	Z	25·0	1	+ ·002	+ ·02
4087	8·6	Z	25·0	1	− ·002	+ ·10

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
4088	8·6	G	16·9	2:3	+0·001	−0·13
		Z	23·9	2	+ ·003	− ·06
					+ ·002	− ·11
4090	9·5	Z	22·8	1	− ·003	− ·06
4091	7·8	t	59·9	3	·000	− ·02
		G	21·8	4	+ ·001	− ·01
		80	21·9	3	·000	− ·04
					·000	− ·02
4093	9·1	G	17·9	3	− ·001	− ·01
4095	9·0	Z	25·0	1	+ ·004	+ ·05
4096	9·4	Z	24·0	1	− ·001	− ·01
4097	7·5	G	20·5	7	− ·009	− ·03
		80	19·6	4	− ·009	− ·09
					− ·009	− ·06
4098	8·0	G	23·0	4	− ·005	− ·04
		80	23·1	3	− ·001	− ·03
					− ·003	− ·03
4100	9·4	Z	23·9	1	− ·012	− ·08
4102	7·4	t	59·7	3	− ·007	− ·07
		50	46·0:46·9	2	− ·007	− ·02
		G	24·0	5	− ·012	− ·05
		80	21·0	3	− ·012	− ·04
					− ·009	− ·05
4103	8·5	Z	25·0	1	− ·003	+ ·05
4105	7·5	G	17·7	3	− ·009	− ·05
		Z	23·7	1	+ ·001	·00
					− ·008	− ·04
4106	8·0	G	23·9	5:4	− ·009	·00
		80	23·0	3	− ·007	·00
					− ·008	·00
4107	9·1	Z	17·9	3	− ·003	− ·03
4109	9·0	Z	22·6	1	·000	+ ·01
4110	8·5	Z	23·6	1	+ ·002	− ·03
4114	8·8	Z	23·6	1	− ·006	− ·08
4115	6·5	t	57·9	6	− ·003	− ·02
		40	56·8	1	− ·002	...
		G	21·0	8	− ·008	− ·06
		80	20·0	3	− ·008	− ·03
					− ·004	− ·03
4116	8·8	Z	25·0	1	− ·006	− ·05
4117	8·7	Z	24·8	1	− ·006	− ·02
4118	8·5	Z	23·2	1	− ·008	− ·05
4119	9·3	Z	25·1	2	+ ·001	− ·02
4121	8·8	Z	25·0	1	− ·010	+ ·06
4122	9·1	Z	25·0	1	− ·006	+ ·04
4123	7·8	G	20·4	4	+ ·001	− ·04
		80	19·2	4	− ·006	− ·06
					− ·002	− ·05
4124	8·5	Z	22·8	1	− ·003	− ·02
4125	7·8	t	57·7	6	−0·005	−0·01
		G	17·7	3	− ·008	− ·01
		Ms	32·1	6	− ·005	·00
		80	19·8	3	− ·002	− ·03
					− ·005	− ·01
4126	8·9	Z	25·0	3	− ·005	− ·05
4129	9·0	Z	24·9	1	+ ·003	− ·10
4132	9·0	Z	23·0	1	− ·001	− ·07
4133	7·8	G	21·9	5	− ·012	− 02
		80	19·8	5	− ·010	− ·03
					− ·011	− ·03
4134	8·8	Z	24·9	1	− ·002	·00
4135	9·5	Z	22·5	1	− ·011	− ·06
4137	8·1	Z	25·0	2	·000	− ·04
4139	8·0	Z	24·9	1	− ·001	− ·04
4140	8·3	G	18·9	3	− ·004	+ ·01
		Z	24·5	2	− ·007	− ·02
					− ·005	·00
4141	8·6	Z	23·9	1	− ·009	− ·13
4142	8·0	t	59·9	6	− ·012	− ·02
		G	20·1	4	− ·005	− ·04
		80	21·6	3	− ·010	− ·02
					− ·011	− ·02
4143	8·2	t	59·6	3	− ·010	+ ·01
		G	19·1	4	− ·013	− ·05
		80	20·5	3	− ·008	− ·03
					− ·010	− ·01
4144	8·1	Z	24·9	1	− ·004	− ·10
4145	8·8	Z	25·0	1	+ ·005	·00
4146	8·0	G	19·4	5	− ·005	− ·07
		80	18·5	4	− ·008	− ·03
					− ·006	− ·05
4147	9·5	Z	23·0	1	− ·004	+ ·02
4148	9·0	Z	26·0	1	− ·004	− ·05
4149	8·6	Z	24·9	1	+ ·002	− ·07
4150	8·2	t	59·9	3	− ·004	·00
		G	20·8	5	− ·010	− ·04
		80	20·6	3	− ·014	− ·04
					− ·008	− ·01
4151	9·1	Z	24·5	2	− ·004	+ ·02
4152	8·5	Z	26·0	1	+ ·001	− ·10
4153	8·3	Z	23·1	1	+ ·001	·00
4156	8·7	Z	24·5	2	+ ·004	+ ·02
4158	7·0	t	58·1	3	− ·003	− ·03
		65	30·7	4	− ·012	− ·02
		G	21·3	5	− ·010	− ·07
		80	19·1	3	− ·008	− ·06
					− ·008	− ·04
4162	8·7	Z	25·0	1	+0·002	−0·03
4163	8·2	G	22·2	5	− ·011	− ·05
		80	22·0	3	− ·002	− ·01
					− ·008	− ·03
4164	9·4	Z	24·5	2	− ·008	− ·03
4167	8·8	Z	25·1	1	− ·003	− ·04
4168	8·8	G	18·0	3	+ ·006	− ·11
		Z	25·0	1	+ ·005	− ·03
					+ ·006	− ·09
4169	9·0	Z	23·2	1	+ ·005	·00
4170	8·9	Z	24·9	2	− ·002	+ ·03
4171	8·1	G	16·9	4	− ·001	− ·05
		Z	23·9	3	− ·003	− ·07
					− ·002	− ·05
4172	9·0	Z	23·7	1	+ ·005	− ·06
4173	8·1	Z	24·8	1	− ·003	− ·08
4174	8·2	G	21·0	4	− ·006	− ·01
4176	9·0	Z	23·4	1	− ·002	+ ·01
4177	8·0	G	19·0	3	− ·005	− ·04
		Z	23·9	2	− ·016	+ ·07
					− ·007	·00
4178	8·3	Z	26·0	1	− ·030	− ·13
4179	8·9	Z	24·9	2	− ·003	− ·01
4180	7·5	Z	22·3	1	+ ·007	− ·07
		Ms	14·3	3	+ ·001	− ·09
					+ ·005	− ·08
4181	9·0	Z	23·9	1	+ ·001	− ·01
4182	9·1	Z	25·0	1	− ·005	+ ·01
4185	8·8	Z	25·0	1	+ ·008	·00
4186	9·0	Z	23·9	1	·000	·00
4188	7·1	t	60·0	2:3	− ·010	− ·01
		40	57·9	3:5	− ·011	− ·04
		50	47·9	1	...	− ·04
		G	22·9	4	− ·013	− ·05
		80	21·9	3	− ·013	− ·05
					− ·011	− ·03
4189	9·3	Z	24·5	2	− ·007	+ ·09
4190	8·9	G	17·8	3	− ·003	− ·02
		Z	24·9	3	− ·004	− ·06
					− ·003	− ·03
4191	9·0	Z	23·4	1	·000	− ·01
4192	5·8	t	60·0	3	− ·001	− ·05
		40	57·8:57·9	1	+ ·001	− ·07
		50	47·2	3	...	− ·06
		G	23·1	4	− ·003	− ·08
		80	21·8	3	+ ·003	− ·04
		90	5·1	12	− ·002	− ·10
					·000	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
4193	9·0	Z	23·0	1	0·000	−0·02
4194	8·5	Z	23·2	1	+ ·003	− ·07
4196	8·5	Z	26·0	1	− ·004	− ·03
4198	8·4	Z	24·9	1	+ ·002	− ·10
4201	9·5	Z	23·2	1	− ·011	·00
4202	8·4	Z	24·9	1	− ·004	+ ·04
4203	9·0	Z	22·6	1	− ·003	− ·05
4204	9·4	Z	23·9	1	− ·006	− ·12
4205	9·3	Z	23·9	2	− ·001	− ·05
4207	7·8	t	59·7:59·6	4:3	− ·011	− ·03
		G	19·7	4	− ·008	− ·07
		8o	20·8	3	− ·009	− ·05
					− ·010	− ·04
4208	9 3	Z	24·9	2	− ·012	− ·15
4209	8·9	Z	25·0	1	− ·018	− ·09
4210	8·5	G	18·9	3	− ·010	− ·09
		Z	24·5	2	− ·009	+ ·05
					− ·010	− ·04
4212	8·7	Z	25·0	1	·000	− ·08
		Ms	16·2	5	− ·005	− ·17
					− ·003	− ·15
4213	8·0	G	19·7	4	− ·011	− ·03
		8o	21·9	3	− ·005	·00
					− ·008	− ·01
4214	7·2	t	61·1	3	− ·007	·00
		5o	47·0:48·0	2	− ·005	− ·01
		G	22·5	8	− ·012	− ·05
		8o	23·0	3	− ·003	− ·03
		m	18·9	3:4	− ·003	+ ·04
					− ·007	− ·01
4217	8·5	Z	23·0	2	− ·004	− ·11
4218	8·3	G	18·9	3	− ·006	− ·06
		Z	26·1	1	− ·008	− ·09
					− ·006	− ·07
4220	8·8	Z	26·0	1	− ·001	+ ·01
4222	8·8	Z	23·9	1	− ·002	− ·03
4223	8·0	Z	23·1	1	− ·064	+ ·19
4225	6·0	G	22·9	4	− ·018	− ·02
		8o	19·9	3	− ·011	− ·07
					− ·014	− ·05
4227	9·0	Z	22·9	1	− ·028	− ·07
4228	8·3	Z	24·9	1	+ ·001	+ ·04
		8o	20·3	5	− ·008	·00
					− ·007	·00
4229	8·5	G	24·0	1	− ·020	+ ·08
		Z	19·0	3	− ·017	+ ·13
					− ·018	+ ·10
4230	8·6	Z	23·7	1	− ·008	− ·03
4231	9·4	Z	24·9	2	+0·001	+0·02
4232	8·6	G	26·0	1	− ·006	− ·08
		Z	21·0	4	− ·003	− ·03
		Ms	33·7	5	− ·005	− ·01
					− ·005	− ·03
4234	8·7	G	18·8	3	− ·007	− ·01
		Z	25·0	1	− ·004	− ·01
					− ·007	− ·01
4236	9·2	Z	22·9	1	− ·015	+ ·05
4238	8·5	G	17·8	3	− ·009	− ·05
		Z	24·9	1	− ·005	− ·20
					− ·008	− ·08
4239	9·7	Z	23·9	1	− ·007	− ·20
4240	9·3	Z	22·8	1	− ·006	− ·03
4241	9·5	Z	23·2	1	+ ·009	− ·03
4244	8·0	t	61·2:60·9	2:3	− ·005	− ·01
		G	23·5	5	− ·009	− ·05
		8o	23·0	3	− ·001	− ·02
					− ·006	− ·02
4245	9·5	Z	22·1	1	− ·006	+ ·05
4246	8·6	Z	23·9	1	− ·006	− ·04
4247	9·0	Z	23·2	1	− ·002	− ·04
4248	8·8	Z	24·9	1	− ·001	− ·17
4250	8·7	G	19·0	3	− ·010	− ·02
		Z	25·0	1	− ·018	− ·07
					− ·011	− ·03
4252	6·0	t	61·4:62·0	6:7	− ·009	− ·01
		4o	57·9:58·0	2:4	− ·008	·00
		5o	46·0:48·0	2	− ·007	− ·01
		G	22·4	5	− ·010	− ·03
		8o	21·0	3	− ·012	− ·02
					− ·009	− ·01
4254	8·3	t	58·9:58·6	6:7	− ·007	− ·05
		G	21·9	4	− ·007	− ·04
		8o	21·9	3	− ·003	·00
					− ·006	− ·04
4255	8·9	Z	24·1	1	− ·004	− ·06
		Ms	15·2	5	− ·005	− ·12
					− ·005	− ·11
4259	8·5	Z	23·0	1	+ ·001	·00
4260	8·8	Z	24·0	1	− ·011	+ ·04
4263	8·8	Z	24·9	1	− ·002	− ·14
4264	8·0	G	18·9	3	− ·001	− ·05
		Z	23·9	1	− ·006	+ ·05
					− ·002	− ·03
4265	9·2	Z	23·0	1	− ·020	+ ·07
4266	8·5	Z	25·0	1	− ·009	− ·08
4267	9·1	Z	25·0	1	− ·005	− ·05
4268	8·3	G	22·9	4	−0·002	−0·03
		8o	23·0	4:3	− ·005	− ·02
					− ·003	− ·02
4269	8·5	G	18·9	3	+ ·003	− ·06
		Z	23·9	1	− ·013	+ ·13
					+ ·001	− ·02
4271	7·6	G	23·9	4	− ·007	+ ·02
		8o	23·0	3	− ·011	+ ·02
					− ·009	+ ·02
4272	8·7	Z	23·2	1	+ ·020	− ·15
4274	8·2	G	18·8	2	− ·010	− ·05
		Z	24·0	1	− ·013	+ ·10
					− ·011	− ·02
4275	7·9	t	60·8	3	− ·010	− ·03
		G	23·0	3	− ·002	− ·02
		8o	23·0	3	− ·003	− ·01
					− ·007	− ·02
4277	7·9	G	17·9	2	− ·002	− ·10
		Z	24·9	1	− ·006	− ·03
					− ·003	− ·09
4281	5·0	t	63·1:63·7	3:4	− ·011	− ·03
		4o	57·9	3	...	+ ·01
		5o	46·0:47·0	3:2	− ·010	+ ·02
		G	23·9	4	− ·011	− ·05
		Ms	19·9	5	− ·006	− ·02
		8o	21·0	3	− ·010	− ·03
		9o	7·7:7·8	12:11	− ·009	·00
					− ·010	− ·01
4282	6·9	t	58·6	3	− ·003	− ·03
		5o	44·9:46·0	2	− ·009	− ·02
		G	20·8	4	− ·002	− ·05
		8o	20·0	3	− ·006	− ·05
					− ·005	− ·03
4283	8·0	G	17·6	3	− ·012	− ·01
		Z	23·7	1	− ·011	− ·01
					− ·012	− ·01
4284	7·5	G	18·9	4	− ·003	− ·09
		Z	23·9	1	+ ·001	+ ·08
					− ·002	− ·07
4286	8·0	Z	22·7	1	− ·005	− ·03
4288	8·1	G	22·1	5	+ ·002	− ·03
		8o	23·0	3	+ ·002	− ·02
					+ ·002	− ·02
4289	9·7	Z	22·9	1	− ·010	+ ·03
4290	7·7	G	22·9	4	− ·002	− ·01
		8o	23·0	3	·000	− ·01
					− ·001	− ·01
4291	8·3	G	18·9	2	+ ·002	− ·09
		Z	23·9	1	− ·013	− ·03
					− ·002	− ·08
4292	9·0	Z	24·9	1	− ·009	− ·05
4295	8·0	G	19·9	8	− ·007	− ·04
		Z	23·2	3	− ·002	− ·02
		Ms	14·8	5	− ·009	− ·30
					− ·006	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
4297	8·6	Z	25·0	1	−0·007	−0·01
		Ms	16·1	5	− ·006	− ·16
					− ·006	− ·13
4300	7·7	G	19·0	3	− ·002	− ·10
		Z	25·0	2	+ ·005	+ ·05
					− ·001	− ·05
4304	7·8	G	17·9:17·4	3:4	− ·002	− ·02
		Z	23·0	2	− ·001	+ ·02
					− ·002	− ·01
4305	9·0	Z	23·0	1	− ·006	− ·08
4306	8·0	G	17·0	3	− ·009	− ·11
		Z	23·0	2	− ·002	·00
					− ·008	− ·07
4309	8·3	G	16·8	3	− ·009	− ·07
		Z	21·7	1	− ·008	+ ·04
					− ·009	− ·05
4311	8·9	Z	24·0	1	− ·008	+ ·09
4312	9·0	Z	23·2	1	− ·002	+ ·06
4313	9·3	Z	22·9	1	− ·005	+ ·06
4314	8·2	G	18·9	3	− ·002	− ·04
		Z	24·0	1	− ·004	+ ·05
					− ·002	− ·02
4317	7·2	t	59·7	3	− ·015	− ·02
		G	23·9	4	− ·023	− ·04
		8o	22·0	3	− ·014	− ·01
					− ·016	− ·02
4318	7·0	t	60·7	3	+ ·006	− ·04
		5o	48·1	3	...	− ·02
		G	24·8	4	+ ·005	·00
		8o	22·9	3	+ ·007	·00
					+ ·006	− ·02
4319	8·0	G	18·9	3:4	− ·013	− ·06
		Z	23·9	1	− ·017	·00
					− ·014	− ·05
4320	7·3	G	25·0	4	− ·020	− ·03
		8o	23·0	3	− ·019	− ·01
					− ·019	− ·02
4323	8·8	Z	25·0	1	+ ·007	− ·04
4324	8·3	G	16·9	3	+ ·005	− ·04
		Z	22·9	2	− ·002	·00
					+ ·004	− ·03
4325	7·0	t	58·0	1:2	− ·006	+ ·01
		G	19·9	4	− ·007	− ·02
		8o	19·1	3	− ·012	− ·02
					− ·008	·00
4326	8·5	G	17·8	3	− ·007	− ·01
		Z	24·0	2	− ·006	+ ·03
					− ·007	·00
4327	7·5	G	15·6	4	− ·005	− ·05
		Z	22·9	1	− ·009	− ·03
		Ms	14·3	5	+ ·004	− ·09
					− ·004	− ·06
4328	8·9	Z	21·9	1	− ·011	+ ·02
4329	8·4	Z	22·9	1	−0·009	+0·17
4330	7·8	G	21·9	4	− ·003	·00
		8o	22·0	3	− ·005	− ·02
					− ·004	− ·01
4331	6·7	t	60·6	3	− ·007	− ·01
		4o	59·0:58·8	4:3	− ·002	− ·03
		5o	48·4	2	...	·00
		G	23·2	5	− ·005	− ·02
		8o	22·9	3	− ·006	·00
					− ·004	− ·01
4334	8·0	G	24·9	4	− ·008	− ·04
		8o	23·0	3	− ·001	− ·02
					− ·004	− ·03
4335	7·5	t	59·9	2	+ ·004	− ·05
		5o	48·0	1	...	− ·01
		G	22·8	4	− ·004	− ·01
		8o	22·0	3	+ ·005	− ·02
		m	17·9	3:4	+ ·003	+ ·02
					+ ·002	− ·02
4336	8·8	Z	21·6	2	− ·001	− ·03
4337	8·5	Z	21·0	1	·000	+ ·03
4338	8·3	G	18·5	5	− ·021	− ·09
		Z	24·9	1	− ·018	− ·13
					− ·021	− ·09
4339	8·7	t	58·6	7	− ·011	− ·03
		G	20·0	4	− ·011	− ·07
		8o	21·0	3	− ·010	− ·09
					− ·011	− ·04
4341	8·0	G	18·9	3	− ·013	− ·06
		Z	23·9	2	− ·005	− ·04
					− ·011	− ·05
4343	9·5	Z	22·7	1	− ·009	− ·06
4346	9·2	Z	24·0	1	− ·005	− ·08
4347	7·3	t	58·1	3	− ·008	− ·03
		G	21·3	5	− ·011	− ·07
		8o	19·4	3	− ·012	− ·08
					− ·010	− ·05
4348	9·0	Z	24·0	1	− ·008	− ·15
4349	9·0	Z	23·9	1	− ·025	·00
4352	8·0	Z	22·1	2	− ·005	− ·03
4353	8·0	Z	23·8	1	− ·012	+ ·07
4354	7·5	t	59·6	3	− ·005	− ·03
		G	21·8	4	− ·001	− ·03
		8o	22·0	3	·000	− ·03
					− ·003	− ·03
4355	9·0	Z	25·0	1	− ·013	− ·07
4356	8·3	G	18·0	3	+ ·004	− ·03
		Z	24·0	1	+ ·018	− ·10
					+ ·006	− ·04
4357	9·1	Z	24·9	1	− ·012	− ·04
4359	7·9	G	16·3	3	− ·004	− ·07
		Z	22·4	4	− ·006	·00
					− ·005	− ·03
4365	8·9	Z	24·9	1	−0·005	−0·08
4368	9·0	G	16·7	1	·000	− ·01
		Z	22·7	2	− ·007	− ·06
					− ·003	− ·03
4369	8·5	Z	22·6	1	− ·005	+ ·02
4370	9·0	Z	23·9	1	− ·010	+ ·11
4371	8·8	G	19·0	3	+ ·009	− ·05
		Z	24·0	1	− ·006	+ ·07
					+ ·007	− ·03
4373	8·3	G	16·8	3	− ·005	+ ·01
		Z	23·9	1	− ·002	(+ ·33)
					− ·005	+ ·01
4374	8·5	Z	24·0	1	− ·011	− ·03
4376	9·4	Z	22·8	1	− ·014	− ·08
4378	8·8	Z	24·0	1	− ·003	− ·05
4379	7·5	t	59·0	3	·000	− ·01
		G	20·8	4	− ·002	− ·03
		8o	19·9	3	− ·006	− ·03
					− ·002	− ·02
4381	7·8	t	59·9	3	− ·009	+ ·02
		G	21·9	4	− ·008	− ·03
		8o	20·8	3	− ·011	− ·05
		9o	6·3	5	− ·018	− ·02
					− ·009	·00
4382	9·0	Z	22·0	1	·000	− ·15
4383	9·3	Z	25·0	1	− ·004	− ·06
4384	8·3	Z	22·2	2	·000	+ ·02
4385	6·0	t	61·0	3	− ·001	− ·03
		4o	61·3:58·9	4:2	− ·003	− ·04
		5o	46·9:49·0	2:1	− ·005	− ·04
		G	24·9	4:3	− ·013	− ·08
		8o	23·0	3	·000	·00
					− ·003	− ·04
4386	9·0	Z	23·0	1	− ·007	·00
		Ms	31·6	5	− ·003	+ ·03
					− ·003	+ ·03
4387	9·3	Z	22·9	1	− ·017	+ ·09
4388	6·0	t	60·3:61·1	6:8	− ·007	− ·08
		4o	56·8:56·9	1:3	− ·003	− ·07
		5o	46·0	2	...	− ·08
		G	23·0	4	− ·018	− ·11
		8o	19·9	3	− ·004	− ·05
		m	16·9	3	− ·008	·00
		9o	3·0	4	− ·023	− ·33
					− ·007	− ·07
4389	9·0	Z	23·9	1	− ·020	− ·04
4390	8·0	Z	22·5	2	− ·009	− ·03
4392	9·4	Z	21·6	1	− ·005	+ ·04
4393	8·3	Z	23·9	1	− ·024	− ·03
4394	8·5	Z	24·9	1	− ·004	− ·09
4396	9·0	Z	22·9	2	− ·009	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
4398	9·1	Z	25·0	1	0·000	−0·03
4402	8·5	40	62·0	3	− ·006	...
		G	20·8	3	− ·002	+ ·01
		Z	24·0	1	− ·002	− ·03
					− ·005	·00
4403	7·0	t	59·7	7	− ·024	− ·08
		G	24·9	4	− ·031	− ·13
		80	23·0	3	− ·020	− ·02
					− ·024	− ·08
4405	8·6	Z	24·0	1	− ·005	+ ·16
4408	8·5	Z	25·0	1	− ·008	− ·06
4410	8·5	Z	25·0	2	− ·002	− ·08
4412	8·4	Ms	31·1	5	− ·009	− ·01
4413	9·5	Z	21·2	1	− ·011	+ ·09
4414	9·0	Z	23·9	1	− ·002	− ·01
4416	8·6	Z	24·9	2	− ·004	− ·07
4417	9·0	Z	22·7	2	− ·012	− ·12
4419	9·0	Z	21·4	1	− ·013	·00
4420	8·0	G	17·0	3	− ·005	− ·10
		Z	23·1	1	− ·002	+ ·05
					− ·005	− ·07
4424	8·0	t	59·1	3	− ·032	− ·11
		G	21·8	4	− ·032	− ·11
		Ms	30·7	5	− ·033	− ·08
		80	20·0	3	− ·036	− ·11
					− ·033	− ·11
4425	6·5	t	58·4	3	− ·028	− ·19
		G	20·5	7	− ·032	− ·22
		80	19·3	3	− ·031	− ·24
					− ·030	− ·21
4426	9·0	Z	22·5	2	− ·002	+ ·04
4427	9·0	Z	24·0	1	− ·007	− ·05
4430	9·5	Z	24·1	1	− ·002	− ·07
4431	9·0	Z	23·1	1	− ·002	− ·09
4437	9·5	Z	24·0	1	− ·003	− ·03
4441	7·8	t	59·8:59·0	5:7	− ·027	− ·06
		G	25·0	5	− ·036	− ·08
		Ms	19·0	5	− ·043	− ·08
		80	23·0	3	− ·030	− ·05
					− ·030	− ·06
4442	8·3	G	18·9	3	− ·010	− ·09
		Z	25·0	1	+ ·001	− ·15
					− ·008	− ·10
4443	8·6	Z	24·0	2	− ·008	+ ·03
4444	7·0	t	60·9	3	− ·001	+ ·01
		50	47·0:48·0	3:2	− ·004	·00
		G	22·4	5	− ·006	− ·03
		80	22·9	3	+ ·001	− ·01
					− ·003	·00
4445	8·4	G	23·0	4	−0·004	−0·02
		80	23·0	3	− ·003	+ ·03
					− ·004	+ ·01
4447	8·3	Z	22·0	2	− ·011	− ·05
4448	8·5	Z	24·0	1	+ ·010	− ·05
4450	8·7	Z	25·0	1	− ·002	− ·06
4451	7·9	G	20·4	4	·000	− ·05
		80	21·9	3	+ ·002	− ·03
					+ ·001	− ·04
4453	7·5	G	20·5	4	+ ·001	·00
		80	19·6	3	+ ·001	− ·03
					+ ·001	− ·02
4454	8·5	Z	22·5	2	− ·012	− ·12
4455	8·9	Z	24·0	2	− ·003	− ·02
4456	8·8	Z	21·9	1	− ·005	− ·06
4460	8·9	Z	25·1	1	− ·002	− ·17
4461	8·7	Z	25·0	2	− ·001	− ·04
4463	8·0	G	18·8	2	+ ·001	− ·07
		Z	24·0	1	− ·003	+ ·08
					·000	− ·04
4464	8·6	Z	24·0	1	− ·015	+ ·11
4466	8·5	G	16·0	3	− ·004	− ·01
		Z	22·0	2	− ·010	− ·02
					− ·005	− ·01
4467	8·7	Z	23·9	1	− ·003	− ·01
4468	8·0	Z	24·9	1	− ·007	− ·04
4471	8·0	G	18·9	3	+ ·003	− ·02
		Z	24·0	1	− ·004	− ·05
		Ms	34·1	5	− ·002	− ·04
					− ·001	− ·04
4472	8·2	t	58·5	3	− ·005	− ·06
		G	18·4	7	− ·001	− ·04
		80	19·6	3	+ ·001	− ·04
					− ·003	− ·05
4473	8·5	Z	23·6	1	− ·002	− ·15
4474	8·9	Z	25·0	1	− ·006	− ·12
4476	9·5	Z	20·8	1	− ·002	·00
4480	8·1	G	17·9	3	+ ·006	− ·06
		Z	24·9	1	− ·002	− ·08
					+ ·005	− ·06
4483	8·0	t	60·0	3	·000	− ·02
		G	21·8	4	− ·003	+ ·02
		80	21·9	3	− ·001	·00
					− ·001	− ·01
4484	6·5	t	58·8	3	− ·011	− ·03
		50	44·8:45·8	3:2	− ·014	− ·03
		G	22·6	4	− ·017	− ·06
		80	19·7	3	− ·015	− ·05
		90	7·5:7·3	12:13	− ·004	− ·05
					− ·013	− ·04
4486	8·6	65	32·3	4	−0·005	−0·05
		Z	25·1	2	− ·002	− ·04
					− ·005	− ·05
4487	10·0	Z	23·1	1	− ·038	+ ·18
4489	9·0	Z	21·5	1	− ·005	− ·03
4490	7·2	G	23·9	4	− ·016	− ·01
		80	23·0	3	− ·009	+ ·01
					− ·012	·00
4491	8·5	Z	21·6	1	− ·001	− ·04
4492	5·5	t	60·9	3	− ·009	− ·03
		40	62·0:58·9	2:3	− ·007	− ·05
		50	46·9:48·9	2:1	− ·008	− ·04
		60	41·8	1	− ·009	− ·02
		G	24·9	4	− ·016	− ·05
		80	22·9	3	− ·006	− ·02
					− ·008	− ·04
4493	7·8	G	19·7	3	− ·009	+ ·02
		Z	25·0	1	− ·001	− ·06
					− ·008	·00
4494	8·8	Z	23·1	1	− ·008	− ·01
4495	8·5	Z	23·2	1	+ ·004	− ·04
4496	6·5	t	60·9	3	− ·059	− ·10
		40	58·9	1	− ·067	− ·10
		G	24·9	4	− ·068	− ·08
		80	22·9	3	− ·065	− ·08
					− ·063	− ·09
4497	8·9	Z	25·0	1	− ·003	− ·14
4498	8·8	Z	25·0	1	+ ·003	− ·09
4501	8·8	Z	24·9	1	− ·004	− ·04
4502	4·5	t	64·0:62·1	17:18	− ·005	− ·04
		40	58·8	3	...	− ·03
		50	47·0:47·9	2	− ·007	− ·03
		65	32·2	1	− ·004	− ·06
		M	34·9	3	− ·007	·00
		G	22·9	4	− ·005	− ·03
		Ms	20·2	5	+ ·007	− ·08
		80	22·9	3	− ·007	− ·01
		85	15·0	5	− ·007	− ·01
		90	6·1	12	+ ·008	+ ·02
					− ·005	− ·04
4503	8·7	Z	23·9	1	− ·020	+ ·02
4504	7·8	G	21·8	4	− ·010	− ·03
4505	8·5	G	14·0	3	− ·016	− ·11
		Z	21·0	1	− ·018	− ·12
					− ·016	− ·11
4506	9·0	G	21·5	6	− ·007	− ·08
4507	9·0	Z	23·3	1	− ·007	− ·10
4508	9·3	Z	24·0	1	− ·003	+ ·01
4511	7·0	t	58·0	3	− ·006	− ·02
		G	21·1	4	− ·011	− ·05
		80	19·2	3	− ·008	·00
					− ·007	− ·02
4513	8·3	Z	22·3	2	− ·010	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
4514	9·0	Z	22·8	1	−0·010	−0·04
4516	9·0	Z	24·0	1	+ ·004	+ ·03
4519	8·0	t	58·4	3	− ·009	·00
		G	18·6	4	− ·004	− ·01
		8o	19·5	3	− ·009	− ·02
					− ·008	− ·01
4521	9·0	G	14·9	2	− ·011	− ·07
		Z	21·9	1	− ·007	+ ·02
					− ·010	− ·05
4522	8·7	Z	23·9	2	− ·014	+ ·02
4524	7·6	G	19·0	3	− ·003	− ·11
		Z	25·0	1	+ ·001	− ·10
					− ·002	− ·11
4525	9·0	Z	22·2	1	− ·009	·00
4526	9·4	Z	23·9	1	− ·011	+ ·11
4527	7·3	G	18·1	13	− ·010	− ·02
		8o	22·9	3	− ·001	+ ·02
					− ·008	·00
4528	7·0	t	61·0	3:2	+ ·007	+ ·05
		G	23·1	4	·000	·00
		8o	23·0	3	+ ·007	+ ·05
					+ ·006	+ ·04
4531	8·3	Z	25·0	2	− ·005	− ·04
4535	7·3	G	23·8	4:3	− ·009	− ·01
		8o	22·9	3	− ·004	+ ·03
					− ·006	+ ·01
4536	8·5	Z	22·3	1	− ·007	+ ·04
4537	8·5	Z	25·0	1	− ·002	− ·14
4538	9·0	Z	21·9	1	− ·009	− ·06
4540	9·0	Z	22·9	1	− ·028	− ·03
4541	9·3	Z	23·9	1	− ·008	+ ·02
4542	9·0	Z	21·7	1	− ·015	− ·01
4545	8·5	Z	25·0	1	+ ·003	− ·05
4546	6·0	t	61·1:61·8	3:4	− ·012	− ·04
		4o	56·2	3	...	− ·02
		5o	45·1	2	...	− ·03
		G	22·0	4	− ·015	− ·02
		8o	19·0	3	− ·015	− ·02
					− ·013	− ·03
4547	8·9	Z	24·0	1	− ·013	+ ·01
4548	7·0	t	61·1	3	+ ·008	·00
		G	23·0	4	+ ·002	− ·06
		8o	23·0	4	·000	+ ·02
		9o	7·8	6	+ ·003	− ·01
					+ ·005	·00
4549	8·3	Z	21·7	1	− ·020	·00
4550	8·5	Z	21·8	1	− ·014	− ·11
4551	8·6	Z	25·0	1	− ·004	− ·17
4553	9·0	Z	25·1	2	− ·006	− ·11
4554	7·0	t	61·0	3	−0·005	−0·04
		G	25·0	4	− ·012	− ·06
		8o	23·0	3	− ·003	·00
					− ·006	− ·03
4555	8·8	Z	22·9	1	− ·012	+ ·13
4558	8·0	Z	22·2	1	− ·020	·00
4560	4·0	t	65·9:66·9	10:5	− ·021	− ·02
		4o	61·0	10	...	− ·02
		5o	46·0:47·1	2	− ·022	− ·06
		65	30·9	1	− ·026	− ·01
		M	27·9	3	− ·023	·00
		G	23·9	5	− ·030	− ·06
		Ms	19·1	5	− ·016	− ·04
		8o	22·0	3	− ·026	− ·01
		85	14·0	11:10	− ·024	− ·01
		9o	7·4	6	− ·032	·00
					− ·023	− ·02
4561	8·1	t	60·0	3	− ·010	− ·02
		G	19·9	4	− ·011	− ·06
		8o	20·9	3	− ·009	− ·04
					− ·010	− ·03
4563	9·0	G	14·2	2	− ·019	− ·14
		Z	21·2	1	− ·010	+ ·04
					− ·017	− ·10
4564	8·6	G	19·8	4	− ·002	− ·02
		Z	25·0	1	+ ·005	− ·10
					− ·001	− ·03
4566	8·0	G	16·4	3	− ·003	− ·05
		Z	21·4	1	− ·015	+ ·06
					− ·005	− ·03
4568	8·9	Z	24·0	1	+ ·001	+ ·05
4569	9·1	Z	24·9	1	− ·004	− ·06
4570	8·5	G	19·8	4	+ ·001	+ ·01
		Z	25·1	1	+ ·001	− ·03
					+ ·001	+ ·01
4571	9·0	Z	21·8	1	− ·021	− ·06
4572	8·3	G	19·0	3	− ·001	− ·06
		Z	24·0	1	− ·010	− ·02
					− ·002	− ·05
4573	9·1	Z	25·0	1	+ ·002	− ·03
4574	9·0	Z	21·7	1	− ·008	− ·07
4576	8·8	Z	26·0	1	− ·013	+ ·04
4577	9·0	Z	22·7	1	− ·012	− ·02
4578	7·0	t	58·6	3:2	− ·009	·00
		G	21·4	4	− ·016	− ·06
		8o	19·6	3	− ·014	− ·02
					− ·011	− ·01
4579	9·3	Z	22·0	1	− ·014	+ ·05
4581	9·0	Z	24·9	1	·000	− ·12
4583	8·2	t	58·3:57·9	5:6	− ·003	·00
		G	19·9	4	− ·001	− ·08
		8o	21·9	3	+ ·002	+ ·03
					− ·002	·00
4584	9·5	Z	21·8	1	−0·006	+0·02
4585	9·5	Z	21·7	1	− ·017	+ ·11
4586	6·0	t	60·6:60·9	3:2	− ·014	− ·01
		4o	58·9:58·8	1:2	− ·011	− ·06
		5o	46·9:49·0	2:1	− ·013	− ·06
		65	30·9	1	− ·012	− ·04
		G	23·9	4	− ·018	− ·05
		8o	23·0	3	− ·007	− ·05
		m	18·9	3	− ·008	+ ·02
					− ·012	− ·04
4588	8·5	Z	24·0	1	− ·007	+ ·02
4589	8·8	G	15·8	2	− ·008	·00
		Z	24·9	1	+ ·001	− ·04
					− ·006	− ·01
4593	9·1	Z	25·1	2	·000	·00
4595	9·0	Z	24·1	1	− ·005	− ·16
4597	9·3	Z	25·0	1	− ·002	+ ·01
4598	9·3	Z	21·7	1	− ·009	− ·13
4599	8·5	Z	21·5	1	− ·022	− ·02
4600	9·0	Z	24·9	1	− ·003	+ ·02
4603	8·4	G	18·0	3	+ ·001	− ·05
		Z	25·0	1	− ·005	− ·04
					·000	− ·05
4605	8·8	Z	22·7	1	− ·018	− ·06
4606	7·3	Z	24·9	2	− ·036	− ·10
4607	8·6	Z	23·0	1	− ·007	+ ·02
4608	9·3	Z	22·0	1	− ·006	·00
4609	7·9	G	19·9	4	+ ·003	− ·02
		Z	25·1	4	− ·005	− ·01
					·000	− ·02
4610	8·6	G	17·9	2	− ·004	+ ·03
		Z	25·1	2	− ·006	− ·05
					− ·005	·00
4612	8·9	Z	26·0	1	·000	− ·02
4615	8·1	t	60·0	3	− ·012	·00
		G	20·1	5	− ·011	− ·09
		8o	20·9	3	− ·009	− ·04
					− ·011	− ·02
4618	8·7	Z	26·0	1	− ·007	− ·08
4619	9·3	Z	25·0	1	·000	+ ·02
4620	9·0	Z	24·0	1	+ ·001	− ·07
4621	9·0	Z	25·1	2	+ ·002	− ·06
4622	7·6	t	60·0	3	− ·002	+ ·01
		G	23·9	4	− ·006	·00
		8o	21·0	3	·000	− ·07
					− ·002	− ·01
4623	8·5	Z	21·2	1	− ·015	+ ·09
4624	8·3	Z	25·1	1	− ·014	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
4628	8·0	Z	21·7	1	−0·007	+0·03
4629	7·0	t	58·6	3	− ·003	·00
		G	21·4	7	− ·014	− ·04
		80	19·5	3	− ·002	− ·03
					− ·006	− ·01
4630	8·6	G	19·4	4	− ·006	− ·12
		Z	25·0	3	− ·004	− ·05
					− ·005	− ·11
4631	9·0	Z	21·5	1	− ·003	+ ·02
4632	7·8	G	19·0	3	− ·008	− ·06
		Z	25·0	2	− ·010	− ·03
					− ·008	− ·05
4634	8·0	G	18·8	1	− ·009	− ·07
		Z	25·0	2	− ·006	− ·06
					− ·008	− ·06
4635	7·0	G	23·9	4	− ·012	− ·04
		80	22·0	3	− ·001	+ ·01
					− ·006	− ·01
4636	7·9	G	20·9	3	− ·006	− ·08
		Z	25·1	1	− ·005	− ·11
					− ·006	− ·09
4637	7·9	G	23·3	5	− ·008	− ·01
		Z	24·7	3	− ·006	+ ·02
					− ·007	·00
4638	9·3	Z	21·6	2	− ·010	+ ·05
4641	8·5	Z	24·0	2	− ·003	·00
4643	9·3	Z	21·9	1	− ·018	− ·01
4645	8·9	Z	25·0	2	− ·005	·00
4646	7·2	t	59·7	3	− ·013	·00
		G	24·0	5·4	− ·017	− ·05
		80	22·0	3	− ·002	− ·01
					− ·012	− ·01
4649	8·5	Z	22·6	1	− ·005	− ·06
4650	9·2	Z	25·0	1	− ·007	− ·06
4651	8·5	Z	21·7	1	− ·010	− ·10
4652	7·9	G	18·9	5	− ·011	− ·03
		Z	25·1	2	− ·004	− ·05
					− ·010	− ·03
4654	8·0	t	60·7	3	− ·013	+ ·01
		G	21·0	4	− ·007	− ·04
		80	21·9	3	− ·009	·00
					− ·011	·00
4660	8·6	Z	23·9	1	− ·006	+ ·03
4661	6·5	t	58·2	3	− ·023	− ·26
		40	59·7	1	− ·020	...
		50	45·0:46·0	3:2	− ·021	− ·25
		G	22·1	5	− ·027	− ·25
		80	19·9	3	− ·032	− ·21
					− ·023	− ·25
4663	7·0	t	62·1:62·8	3:4	+0·004	−0·02
		G	22·9	4	− ·008	− ·02
		80	19·9	3	− ·001	− ·08
		90	5·6	6	− ·004	− ·12
					·000	− ·03
4664	8·8	Z	23·9	1	− ·031	+ ·02
4666	6·0	t	62·1:62·7	3:4	− ·006	− ·07
		40	56·8	1	− ·006	...
		50	45·0:46·9	2:1	− ·006	·00
		G	22·9	4	− ·013	− ·04
		80	19·9	3	− ·003	− ·05
					− ·006	− ·05
4667	7·9	G	25·8	2	− ·013	− ·02
		Z	25·0	1	− ·016	− ·07
					− ·014	− ·03
4671	9·4	Z	22·0	1	− ·009	− ·05
4672	9·3	Z	25·1	1	− ·008	− ·03
4673	7·6	t	59·7	3	− ·007	− ·01
		G	23·3	5	− ·015	− ·02
		80	21·9	3	− ·009	+ ·02
					− ·010	·00
4675	8·0	G	18·9	3	− ·013	·00
		Z	25·1	1	− ·011	− ·08
					− ·013	− ·02
4676	5·8	t	60·6	3	− ·007	− ·01
		40	59·1:59·0	4:3	− ·004	− ·05
		50	48·5	2	...	− ·05
		G	24·8	4	− ·009	− ·05
		80	22·9	3	− ·004	·00
					− ·005	− ·03
4677	8·7	Z	26·1	1	− ·002	− ·03
4679	9·0	G	14·9	2	− ·015	− ·03
		Z	22·0	1	− ·020	− ·02
					− ·016	− ·03
4680	8·2	G	18·8	3	− ·003	− ·01
		Z	25·0	1	− ·002	− ·11
					− ·003	− ·03
4681	7·8	t	61·0	3	− ·012	+ ·04
		G	23·0	4	− ·007	− ·04
		80	23·0	3	− ·005	·00
					− ·010	+ ·02
4683	8·5	Z	21·7	1	− ·008	·00
4685	9·5	Z	26·1	1	− ·003	− ·11
4689	8·5	Z	23·8	1	− ·016	− ·10
4691	9·0	Z	25·1	1	·000	− ·03
4692	7·5	t	57·8	2	− ·014	− ·04
		G	18·9	4	− ·010	− ·08
		80	19·7	3	− ·004	− ·05
					− ·010	− ·05
4696	8·0	G	18·0	3	− ·006	− ·05
		Z	22·6	2	− ·013	+ ·03
					− ·007	− ·02
4697	7·5	G	21·8	4	−0·008	−0·07
		80	19·9	3	− ·004	− ·05
					− ·006	− ·06
4699	9·2	Z	23·9	1	− ·016	+ ·07
4700	8·7	Z	25·1	1	− ·014	− ·08
		Ms	30·8	5	− ·010	+ ·01
					− ·010	·00
4701	7·8	G	21·6	5	− ·004	− ·11
		80	21·0	3	− ·004	− ·08
					− ·004	− ·09
4702	8·0	Z	21·9	1	− ·010	+ ·10
4703	8·9	Z	25·1	1	+ ·003	+ ·02
4707	9·0	Z	25·1	1	− ·005	+ ·01
4708	8·8	Z	26·0	1	+ ·008	− ·05
		Ms	31·9	5	− ·008	− ·03
					− ·007	− ·03
4709	8·5	Z	21·1	1	− ·008	− ·08
4710	9·2	Z	24·0	1	− ·004	+ ·01
4711	8·3	Z	26·1	1	·000	·00
4712	9·3	Z	22·4	2	− ·007	− ·04
4713	8·3	Z	25·0	2	− ·007	− ·01
4714	8·6	G	19·0	3	− ·008	− ·02
		Z	25·1	1	− ·004	− ·08
					− ·007	− ·03
4716	7·1	t	58·7	3	− ·008	− ·02
		G	21·9	5	− ·007	− ·08
		80	20·0	3	− ·001	− ·12
					− ·006	− ·05
4717	9·0	Z	21·5	1	− ·020	− ·10
4718	7·7	G	21·0	4	− ·008	− ·04
		Z	25·1	1	− ·005	− ·03
					− ·008	− ·04
4719	9·4	G	16·9	2	− ·011	+ ·07
		Z	23·9	1	− ·015	+ ·03
					− ·012	+ ·06
4721	7·0	t	57·9	3	− ·006	− ·02
		40	56·3	1	− ·001	...
		50	44·6:46·3	3:1	− ·004	− ·03
		G	20·1	6	− ·010	− ·09
		80	19·2	3	− ·005	− ·08
		90	1·1	3	·000	− ·65
					− ·005	− ·04
4722	8·8	G	15·9	2	− ·010	− ·06
		Z	25·1	1	− ·008	− ·14
					− ·009	− ·08
4724	9·2	Z	25·1	1	− ·007	− ·12
4725	7·1	t	60·6	3	− ·009	+ ·03
		G	24·8	4	− ·008	+ ·06
		80	22·9	3	− ·008	+ ·01
					− ·009	+ ·03
4726	9·0	Z	23·6	1	− ·007	− ·11
4727	9·0	Z	22·1	2	− ·003	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
4731	8·6	G	16·9	2	−0·012	−0·07
		Z	26·0	1	− ·006	− ·04
					− ·010	− ·06
4732	7·4	G	19·8	3	·000	+ ·08
		Z	23·9	1	− ·011	+ ·02
					− ·002	+ ·07
4733	7·9	G	22·9	6	− ·008	− ·07
		8o	21·9	3	− ·005	− ·06
					− ·007	− ·06
4734	6·3	t	57·8	3	− ·004	− ·02
		5o	46·1	1	...	− ·05
		G	21·9	4	− ·001	− ·08
		8o	19·0	3	− ·003	− ·05
		m	19·0	3	+ ·001	− ·02
					− ·002	− ·04
4737	8·7	G	20·0	4	− ·007	− ·08
4738	9·1	Z	26·1	2	− ·023	− ·07
4739	8·0	Z	26·1	1	− ·002	+ ·02
4742	8·5	G	15·9	2	− ·010	− ·08
		Z	25·1	1	− ·006	·00
					− ·009	− ·06
4743	9·5	Z	21·8	1	− ·006	− ·15
4744	8·6	Z	25·1	1	− ·005	− ·11
		Ms	16·2	5	− ·007	− ·01
					− ·006	− ·03
4745	8·9	Z	23·9	1	− ·007	− ·04
4746	9·0	Z	21·8	1	− ·061	− ·02
4749	8·3	G	22·0	4	− ·011	− ·04
		Z	25·0	2	− ·011	− ·03
					− ·011	− ·04
4751	7·3	t	60·0	3	− ·007	+ ·02
		G	22·3	4	− ·007	− ·05
		8o	22·0	3	+ ·001	− ·04
					− ·005	·00
4752	8·8	Z	25·1	1	− ·004	− ·08
4753	9·0	Z	25·1	1	− ·004	− ·05
4754	8·0	G	20·0	3	− ·007	− ·01
4756	9·6	Z	24·0	1	− ·008	+ ·05
4758	9·0	Z	22·0	1	− ·006	− ·10
4759	9·1	Z	25·1	1	− ·022	·00
4762	9·1	Z	26·1	1	− ·003	− ·02
4763	6·0	t	58·0	3	− ·013	− ·04
		4o	59·3	3	− ·008	...
		5o	44·3:45·4	3:2	− ·009	− ·03
		G	21·2	4	− ·011	− ·10
		8o	19·3	3	− ·011	− ·04
		9o	1·1	3	+ ·036	− ·27
					− ·010	− ·04
4764	8·5	Z	22·9	1	− ·002	− ·02
4765	5·5	t	63·6:65·5	5	−0·015	−0·07
		4o	56·5:60·4	3:9	− ·015	− ·04
		5o	44·6:45·6	2	− ·010	− ·05
		6o	36·5	3	− ·012	− ·07
		65	29·4	3:4	− ·013	− ·08
		M	29·5	3	− ·013	− ·03
		G	20·4	4	− ·011	− ·07
		Ms	17·7	5	− ·018	− ·11
		8o	19·5	3	− ·009	− ·06
					− ·013	− ·06
4768	8·1	G	19·8	4	− ·004	− ·03
		Z	25·1	1	− ·002	(+ ·29)
					− ·004	− ·03
4770	8·9	Z	25·1	1	− ·004	+ ·04
4773	9·0	Z	22·6	1	·000	− ·06
4774	6·5	G	22·5	4	− ·005	·00
		Z	21·7	1	− ·014	+ ·02
					− ·006	·00
4777	8·5	Z	26·0	1	− ·008	− ·07
4778	6·8	t	59·9	2	− ·014	− ·02
		4o	59·1:58·8	4:1	− ·005	− ·04
		G	24·0	4	− ·009	− ·02
		8o	23·0	3	·000	− ·03
		9o	3·8	3	+ ·003	− ·03
					− ·007	− ·03
4780	8·3	Z	25·1	1	− ·012	− ·08
4781	8·4	Z	26·1	1	− ·003	− ·05
4782	9·0	Z	25·0	1	− ·012	·00
4784	8·3	Z	25·1	1	− ·006	·00
4785	8·5	Z	21·1	1	− ·011	− ·13
		8o	19·0	4	− ·007	− ·04
					− ·008	− ·05
4786	8·0	G	22·5	5	− ·013	− ·04
		8o	23·0	3	− ·009	− ·03
					− ·012	− ·03
4788	8·0	G	16·8	2	− ·005	− ·04
		8o	19·9	3	− ·007	− ·02
					− ·006	− ·02
4790	8·2	Ms	32·9	7	− ·007	− ·02
4792	8·0	Z	22·6	1	− ·012	− ·02
4793	8·0	G	16·4	4	− ·001	− ·06
		Z	21·5	1	− ·009	− ·03
					− ·002	− ·06
4794	8·9	Z	25·0	1	− ·006	+ ·04
4795	8·2	Z	25·1	1	− ·003	+ ·08
4796	8·7	Z	25·0	2	− ·005	− ·04
4797	7·3	G	23·8	4	− ·009	+ ·01
		8o	20·9	3	− ·002	− ·01
					− ·005	·00
4798	7·3	G	20·6:20·3	9:8	− ·007	− ·03
		8o	19·0	3	− ·008	− ·02
					− ·007	− ·02
4799	9·5	Z	24·0	1	−0·008	−0·10
4801	8·3	G	16·3	2	− ·007	− ·14
		Z	21·4	1	− ·014	− ·10
					− ·009	− ·13
4803	9·0	Z	25·0	1	− ·006	·00
4804	8·0	G	20·9	4	− ·001	− ·08
		8o	19·9	3	− ·002	·00
					− ·001	− ·03
4805	7·0	t	59·7	3	− ·010	+ ·02
		G	24·0	4	− ·010	− ·08
		8o	22·0	3	− ·003	− ·04
					− ·009	− ·01
4807	8·5	G	18·8	2	− ·004	− ·12
		Z	26·0	2	− ·004	− ·07
					− ·004	− ·10
4808	7·5	t	58·0	3	− ·008	− ·06
		G	20·2	3	− ·006	− ·04
		8o	19·2	3	− ·017	− ·10
					− ·009	− ·07
4809	8·6	t	58·9:59·1	5:4	− ·008	+ ·02
		G	20·9	2	− ·005	− ·01
		8o	21·0	3	− ·001	·00
					− ·007	+ ·01
4811	7·0	G	22·9	5	− ·008	− ·06
		Ms	16·1	5	− ·001	+ ·01
		8o	22·0	3	·000	− ·01
					− ·005	− ·02
4812	6·5	t	60·7	3	− ·005	− ·02
		5o	48·7	3	...	− ·05
		G	24·3	5	− ·007	− ·01
		8o	23·0	3	− ·001	− ·02
		9o	5·0	4	− ·010	− ·02
					− ·005	− ·03
4813	9·0	Z	21·4	1	− ·011	− ·06
4816	8·4	Z	26·1	1	− ·013	− ·08
4817	7·8	G	16·5	3	− ·005	− ·05
		Z	22·1	2	− ·006	− ·05
					− ·005	− ·05
4818	8·0	Z	21·4	1	+ ·006	− ·01
4820	9·0	Z	23·1	1	− ·007	− ·05
4821	7·0	t	59·7	3	− ·017	− ·06
		G	22·8	4	− ·019	− ·01
		8o	22·0	3	− ·010	+ ·05
					− ·016	− ·03
4822	9·0	Z	25·1	1	− ·003	+ ·01
4823	7·8	G	23·8	4	− ·010	− ·01
		8o	22·9	3	·000	+ ·02
					− ·005	+ ·01
4824	8·8	Z	25·1	2	·000	− ·05
4825	7·0	t	60·7	3	− ·006	− ·03
		G	23·8	4	− ·009	− ·04
		8o	23·0	3	− ·005	− ·01
					− ·006	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
4826	8·5	Z	21·4	1	0·000	+0·04
4827	7·9	G	22·6	5	+ ·001	− ·03
		8o	23·0	3	− ·008	·00
					− ·002	− ·01
4828	6·5	t	60·7	3	− ·005	− ·01
		G	24·8	4	− ·011	+ ·04
		8o	22·9	3	− ·004	+ ·02
					− ·006	·00
4829	7·5	G	20·4	4	+ ·001	− ·03
		8o	19·4	3	− ·003	− ·05
					− ·001	− ·04
4833	7·3	t	60·4:59·7	3	·000	+ ·01
		G	23·3	5	− ·010	− ·04
		8o	21·9	3	+ ·001	+ ·05
					− ·003	+ ·01
4834	9·0	Z	24·1	1	− ·011	·00
4835	9·0	Z	21·1	1	− ·009	− ·05
4836	8·1	G	21·5	11	− ·008	− ·04
		Z	25·1	1	− ·005	·00
					− ·008	− ·04
4837	9·2	Z	25·0	1	− ·004	+ ·04
4838	9·1	Z	25·1	1	− ·004	+ ·03
4840	7·5	t	60·5:60·7	2:3	− ·010	− ·02
		G	22·2	6	− ·005	− ·08
		8o	23·0	3	− ·003	− ·02
					− ·007	− ·03
4842	8·3	G	21·3	5	− ·007	− ·03
		Z	24·0	1	− ·008	− ·03
					− ·007	− ·03
4843	8·5	G	18·8:17·5	4:3	− ·008	− ·09
		Z	21·6	1	− ·003	− ·04
					− ·007	− ·08
4844	9·5	Z	23·1	1	− ·004	+ ·04
4845	7·6	t	60·7:61·0	3:2	− ·012	− ·02
		G	23·0	5	− ·002	− ·08
		8o	23·0	3	− ·002	+ ·04
					− ·007	− ·01
4847	7·8	G	19·0	3	− ·002	− ·11
		Z	24·0	1	+ ·004	+ ·02
					− ·001	− ·08
4848	8·5	Z	21·8	1	− ·008	+ ·09
4849	9·0	G	17·5	3	− ·014	− ·13
		Z	21·5	1	− ·013	− ·04
					− ·014	− ·11
4851	7·8	t	59·7:59·6	3:5	− ·008	− ·03
		G	21·6	5	− ·004	− ·08
		8o	21·9	3	·000	− ·02
					− ·005	− ·03
4852	8·0	G	22·0	4	− ·012	− ·04
		Z	26·1	1	− ·002	+ ·03
					− ·011	− ·03
4853	8·8	Z	24·1	1	− ·006	− ·01
4854	7·4	t	58·7	4	−0·006	−0 05
		5o	47·0:47·7	1:3	− ·005	− ·04
		G	25·9	4	− ·006	− ·08
		8o	22·9	3	− ·003	·00
		m	21·9	3	− ·006	− ·02
					− ·005	− ·04
4855	8·6	Z	25·0	1	− ·008	− ·05
4857	8·4	t	58·1:57·9	6:7	− ·010	− ·03
		G	19·4	4	− ·009	− ·07
		8o	21·4	7	− ·007	− ·02
					− ·009	− ·03
4858	6·0	t	58·3	1	− ·003	− ·03
		5o	44·5:45·2	1:2	− ·005	− ·02
		G	20·4	4	− ·002	− ·06
		8o	19·4	3	− ·001	− ·11
					− ·003	− ·04
4859	6·7	t	61·0	1	− ·001	− ·01
		G	20·9	4	·002	− ·05
		8o	22·9	3	− ·003	+ ·03
					− ·002	− ·01
4860	8·8	Z	23·6	2	− ·010	− ·04
4861	9·0	G	18·9	4	− ·004	− ·06
		Z	22·0	1	− ·008	− ·03
					− ·005	− ·06
4862	8·6	Z	25·0	2	− ·013	− ·12
4863	8·6	Z	25·1	1	− ·007	+ ·01
4864	9·0	Z	23·7	1	+ ·010	− ·13
4866	8·0	Z	21·4	1	− ·003	− ·07
4867	9·5	Z	24·0	1	− ·016	+ ·05
4868	5·8	t	60·7:60·5	3:2	− ·002	− ·01
		4o	58·8	3	...	− ·04
		5o	47·0:47·8	2:3	− ·004	− ·03
		G	24·9	6	− ·010	− ·02
		Ms	20·0	5	+ ·008	− ·05
		8o	22·9	3	− ·003	+ ·03
		9o	5·0	4	− ·036	− ·06
					− ·003	− ·02
4871	9·0	Z	23·5	1	− ·024	+ ·01
4873	9·0	Z	22·0	1	− ·007	·00
4874	8·6	Z	25·0	1	− ·008	− ·05
4875	9·5	Z	26·0	1	− ·010	+ ·04
4876	9·1	Z	25·1	1	+ ·001	+ ·13
4878	8·3	Z	25·0	2	− ·001	− ·06
4879	8·0	Z	21·3	1	− ·012	+ ·05
4881	8·8	Z	25·0	2	− ·007	− ·03
4882	7·0	G	21·4	4	− ·002	− ·08
		8o	19·3	3	+ ·003	− ·03
					·000	− ·05
4883	7·8	G	23·5:24·1	6:8	− ·011	− ·03
		Z	25·1	1	− ·006	− ·04
					− ·010	− ·03
4884	9·0	G	17·4	4	−0·007	−0·10
		Z	22·0	1	+ ·002	+ ·03
					− ·006	− ·09
4885	8·0	G	18·9	4	− ·005	− ·03
		Z	23·1	1	·000	− ·11
					− ·004	− ·04
4886	8·0	Z	21·6	1	− ·007	− ·01
4888	7·6	t	60·0	2	− ·005	− ·14
		G	19·9	4	+ ·003	− ·14
		8o	19·1	2	− ·005	− ·17
					− ·003	− ·15
4889	7·5	t	58·6	2	− ·004	− ·03
		G	21·6	4	− ·011	− ·03
		8o	19·6	3	− ·007	− ·04
					− ·006	− ·03
4890	8·0	G	22·2	4	− ·006	+ ·04
		Z	25·1	1	− ·012	− ·08
					− ·007	+ ·03
4891	7·6	t	58·6	5	− ·006	− ·05
		G	21·0	4	− ·008	− ·06
		8o	20·9	3	− ·008	− ·01
					− ·007	− ·04
4892	9·1	G	18·0	3	− ·007	− ·06
		Z	25·1	1	− ·006	− ·06
					− ·007	− ·06
4895	9·0	Z	24·0	1	− ·013	+ ·08
4896	7·0	t	57·5:57·4	2:1	− ·020	− ·07
		G	22·3	4	− ·013	− ·05
		8o	19·5	3	− ·016	− ·10
					− ·017	− ·07
4898	8·5	Z	24·0	1	− ·011	− ·01
4899	7·2	t	60·0	1:2	− ·002	− ·03
		G	22·9	4	− ·009	− ·07
		8o	22·0	3	·000	− ·04
					− ·004	− ·04
4901	7·5	G	20·9	4	− ·008	− ·06
		Z	24·0	1	+ ·003	+ ·06
					− ·006	− ·05
4902	9·0	Z	21·8	1	− ·006	− ·09
4903	7·5	G	16·4	2	− ·012	+ ·04
		Z	21·5	1	− ·012	− ·07
		Ms	28·3	5	− ·008	+ ·01
					− ·010	+ ·01
4904	8·0	Z	23·9	1	− ·005	− ·04
4905	8·8	Z	25·1	1	− ·014	− ·03
4906	8·5	Z	25·1	1	− ·004	− ·04
4908	8·8	Z	23·0	2	− ·009	+ ·03
4910	7·9	Z	26·1	1	+ ·002	+ ·02
4911	7·0	t	57·4	1	− ·011	+ ·01
		G	18·8	5	− ·005	− ·03
		Ms	26·2	7	− ·003	− ·03
		8o	19·2	5	− ·004	− ·02
					− ·005	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
4912	8·2	Z	25·0	1	−0·020	−0·02
4913	6·5	t	58·7	2	− ·005	− ·01
		5o	44·8:45·8	2	− ·009	− ·05
		G	20·1	6	− ·010	− ·08
		8o	19·7	3	− ·007	− ·07
		m	19·6	3	− ·008	− ·05
					− ·008	− ·04
4914	7 5	t	58·9	1	− ·002	− ·05
		G	20·9	5	− ·005	− ·06
		8o	20·0	3	+ ·003	+ ·01
					− ·002	− ·03
4915	8·2	Z	25·1	2	− ·002	− ·04
4916	6·3	t	60·0	2	− ·001	− ·02
		4o	61·8	3	− ·002	..
		5o	46·0:47·1	2	− ·004	− ·04
		G	22·8	3:4	− ·010	− ·07
		Ms	20·9	9	·000	− ·06
		8o	22·0	3	+ ·003	− 02
					− ·002	− ·04
4917	8·0	G	20 9	4	− ·001	− ·06
		8o	20·0	3	− ·009	− ·07
					− ·005	− ·07
4920	8·0	G	17·5	3	− ·009	− ·05
		Z	21·6	1	− ·012	− ·10
					− ·009	− ·06
4921	7·0	t	61·0:60·4	1:2	− ·005	− ·04
		G	22·4:22·5	4:5	− 009	·00
		8o	23·0	3	·000	− ·02
					− ·005	− ·03
4922	9·8	Z	23·8	1	− ·024	+ ·01
4923	8·4	Z	25·1	1	− ·008	− ·08
4924	8·5	Z	25·1	1	− ·010	·00
4927	9·0	Z	22·0	1	− ·005	+ ·03
4928	9·0	Z	26·1	1	+ ·001	− ·06
4929	8·0	Z	26·2	1	− ·009	·00
4930	7·7	G	22·9	4	− ·012	− ·05
		8o	21·0	3	− ·005	− ·03
					− ·008	− ·04
4932	8·0	Z	26·1	1	− ·003	− ·05
4934	6·8	t	60·1	2	− ·021	− ·01
		5o	47·0:48·1	2	− ·013	·00
		G	24·9	4	− ·015	− ·02
		8o	23·0	3	− ·007	·00
		m	18·9	3	− ·011	+ ·04
					− ·014	·00
4935	9·0	Z	21·8	1	− ·027	− ·06
4936	8·0	G	17·9	3	− ·011	+ ·03
		Z	24·1	1	− ·011	− ·02
					− ·011	+ ·02
4937	9·0	Z	21·6	1	− ·018	− ·09
4938	9·5	Z	22·1	1	− ·007	− ·03
4939	9·0	Z	25·0	1	− ·007	− ·08
4940	7·5	t	60·0	2	−0·002	−0·06
		G	21·9	4	− ·007	− ·07
		8o	22·0	3	− ·007	− ·01
					− ·004	− ·05
4942	9·2	Z	22·9	1	+ ·004	− ·17
4943	9·0	Z	21·6	1	− ·016	+ ·08
4944	8·3	Z	25·0	2	·000	− ·02
4945	9·0	Z	24·0	1	− ·021	− ·06
4946	9·2	Z	22·9	1	− ·014	− ·17
4947	8·3	G	20·9	1	+ ·001	·00
		Z	25·4	3	− ·004	− ·04
					− ·002	− ·02
4948	8·3	Z	25·0	1	+ ·002	− ·06
4950	8·0	G	20·4	4	− ·004	− ·04
		8o	19·4	3	− ·007	− ·06
					− ·005	− ·05
4951	7·5	t	58·3	3	− ·003	− ·02
		G	20·6	4	− ·004	− ·04
		8o	19·6	3	− ·012	− ·04
					− ·005	− ·03
4952	6·5	t	58·3:58·4	3	− ·011	− ·06
		G	21·5:21·6	5	− ·012	− ·10
		8o	19·5:19·6	3	− ·006	− ·09
					− ·010	− ·07
4957	8·0	Z	21·8	1	− ·008	− ·01
4958	8·0	G	19·8	3	− ·004	+ ·05
		8o	21·2	4	− ·011	− ·01
					− ·007	·00
4959	6·5	t	58·2	3	− ·006	− ·01
		5o	44·5:45·3	2:3	− ·003	− ·01
		G	22·4	4	− 008	− ·02
		8o	19·4	3	− ·006	− ·04
		m	19·4	3	− ·005	+ ·02
					− ·005	− ·01
4960	7·0	t	58·7:59·1	6:5	− ·008	− ·03
		G	25·0	4	− ·008	− ·07
		8o	22·0	6	− ·008	− ·05
					− ·008	− ·04
4962	8·8	Z	23·6	1	− ·017	− ·03
4963	8·5	G	18·9	3	− ·002	− ·08
		Z	24·0	1	− ·007	− ·05
					− ·003	− ·07
4964	8·1	Z	25 0	1	− ·001	− ·05
4965	9·0	Z	21·6	1	− ·002	+ ·08
4966	8·0	G	16·8	3	·000	− ·07
		Z	21·8	1	− ·003	·00
					·000	− 06
4967	8·0	G	17·8	3	− ·012	− ·07
		Z	23·9	1	− ·015	− ·08
					− ·012	− ·07
4969	8·5	Z	21·5	1	− ·007	+ ·04
4970	8·1	G	25·1	1	−0·004	−0·05
		Z	25·1	1	− ·005	− ·02
					− ·004	− ·04
4971	7·8	Z	25·1	1	+ ·004	− ·06
4972	5·2	t	61·1	2	+ ·004	− ·05
		4o	61·0:59·0	8:1	− ·002	− ·04
		5o	47·6	2	...	− ·04
		65	32·1	4	− ·002	− 01
		G	24·9	4	− ·006	− ·08
		Ms	20·9	5	− ·002	− ·14
		8o	23·0	3	− ·001	− ·01
		9o	6·1	10	− ·003	− ·05
					− ·002	− ·04
4974	9·0	Z	25·1	1	− ·004	− ·05
4975	8·0	G	16 3	2	− ·005	− ·04
		Z	21·5	1	− ·013	− ·03
					− ·007	− ·04
4976	7·4	t	60·6:61·0	3:2	− ·004	+ ·01
		G	23·1	5	− ·009	− ·03
		8o	23·0	3	− ·007	+ ·03
					− ·006	+ ·01
4977	8·4	G	20·0	3:4	− ·012	− ·09
		Z	22 9	1	− ·003	− ·13
					− ·011	− ·09
4978	6·5	G	25·3:25·4	7:6	·000	− ·05
		8o	22·9	3	+ ·009	+ ·03
					+ ·003	− ·01
4980	9·3	Z	21·8	1	− ·017	+ ·03
4981	8·5	Z	25·1	1	− ·019	+ ·08
4982	9·0	Z	21·7	1	− ·007	− ·09
4983	8·5	Z	22·0	1	− ·008	+ ·07
4984	8·7	Z	22·9	1	− ·003	+ ·03
4986	9·2	Z	24·0	1	− ·011	+ ·09
4987	8 5	G	18·0	3	− ·004	− ·08
4988	7·9	t	59·6:59·7	3	− ·009	+ ·02
		G	19·8	3	− ·008	+ ·01
		8o	20·9	3	− ·007	+ ·05
					− ·008	+ ·03
4989	9·0	Z	23·9	1	− ·011	− ·04
4990	9·0	Z	24·1	1	− ·015	− ·17
4991	8·8	Z	24·1	1	·000	− ·09
4992	8·9	Z	25·0	2	·000	+ ·04
4994	8·0	t	58·9	2	− ·011	·00
		G	22·8	4	− ·014	− ·01
		8o	19·8	3	− ·009	− ·05
					− ·011	− ·01
4996	8·1	G	18·9	1	− ·006	− ·06
		Z	24·0	2	− ·007	+ ·02
					− ·006	− ·02
4997	8·3	Z	24·0	1	− ·002	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
4998	8·4	Z	25·0	4	−0·012	−0·03
5000	8·9	Z	25·0	1	− ·005	− ·02
5001	8·6	Z	22·9	1	− ·014	+ ·07
5002	9·0	Z	23·3	2	− ·008	− ·03
5003	6·0	t	62·4:63·1	5	− ·001	− ·06
		40	57·9:58·0	3:2	− ·004	− ·04
		50	45·9:47·1	2	− ·004	− ·04
		G	21·9	4	− ·004	− ·05
		80	22·0	3	− ·010	− ·03
					− ·003	− ·05
5004	8·4	G	18·9	2	− ·009	− ·05
		Z	24·6	3	− ·010	− ·01
					− ·009	− ·04
5005	7·8	t	58·9	1	− ·011	− ·06
		G	21·9	4	− ·003	− ·09
		80	21·4	6	·000	− ·06
					− ·003	− ·07
5007	9·0	Z	24·0	2	− ·010	− ·05
5009	8·5	Z	23·4	2	− ·003	+ ·03
5010	7·8	t	61·1	1	− ·068	− ·03
		G	21·1	2:3	− ·069	− ·05
		80	21·9	4	− ·068	− ·05
					− ·068	− ·04
5011	9·5	Z	25·1	1	− ·001	+ ·09
5012	8·3	Z	25·1	2	− ·004	− ·15
5013	7·5	G	20·8	5	− ·011	− ·09
		80	19·1	3	− ·008	− ·07
					− ·010	− ·08
5014	8·5	Z	24·1	1	− ·006	− ·13
5015	9·5	Z	24·0	1	− ·010	·00
5017	8·0	G	20·3	5	+ ·001	− ·06
		80	19·4	3	− ·002	− ·07
					·000	− ·07
5018	8·8	Z	25·0	1	− ·007	− ·16
5019	7·0	t	59·7	3	− ·005	− ·02
		50	48·0	1	...	− ·01
		G	22·9	5	− ·011	− ·04
		80	21·9	7	− ·005	− ·03
					− ·007	− ·02
5020	8·2	G	21·8	5	− ·002	·00
		80	22·9	3	− ·003	+ ·01
					− ·002	+ ·01
5022	7·4	G	21·3	5	− ·002	− ·06
		80	22·9	3	− ·003	− ·01
					− ·002	− ·03
5023	8·3	Z	24·0	1	− ·012	+ ·05
5024	7·0	t	59·7	3	− ·017	− ·05
		G	20·8	5	− ·015	− ·04
		80	21·8	3	− ·015	− ·01
					− ·016	− ·04
5026	9·4	Z	22·9	1	− ·016	+ ·01
5027	8·0	Z	23·1	1	0·000	−0·02
5028	8·8	Z	25·1	2	− ·002	− ·06
5031	7·0	t	60·7:61·0	3:2	− ·010	·00
		G	20·3:20·5	3:4	− ·012	− ·02
		80	22·0	3	− ·006	− ·01
					− ·010	− ·01
5032	7·8	t	58·9	1	·000	− ·03
		G	21·5	3	− ·005	− ·06
		80	19·9	3	+ ·002	− ·04
		90	3·0	4	+ ·003	− ·10
					− ·001	− ·04
5033	8·3	t	57·7	2	− ·011	− ·03
		G	18·4	4	− ·007	− ·08
		80	19·7	3	− ·006	− ·11
					− ·009	− ·06
5034	9·1	65	35·8	4	+ ·002	− ·06
		Z	23·9	1	− ·014	− ·07
					+ ·001	− ·06
5035	7·0	t	60·7:61·0	3:2	− ·009	+ ·12
		G	24·9	4	− ·011	·00
		80	22·9	3	− ·003	+ ·03
					− ·008	+ ·08
5036	8·5	Z	23·5	1	− ·009	− ·03
5037	9·3	Z	23·9	1	− ·004	− ·08
5038	8·5	Z	23·7	1	− ·003	− ·01
5039	7·8	G	21·8	4	− ·002	− ·06
		80	21·9	3	− ·001	− ·01
					− ·001	− ·03
5040	8·7	Z	25·1	1	− ·012	− ·10
5042	8·6	Z	25·1	2	− ·012	− ·06
5043	9·2	Z	25·1	1	− ·006	− ·05
5044	4·5	t	66·0:66·7	5	− ·005	− ·02
		40	58·1:62·3	3:14	− ·003	− ·03
		50	46·0:47·9	2:1	− ·007	− ·02
		65	30·3	4	− ·002	− ·08
		M	27·8	3	− ·005	− ·03
		G	23·8	4	− ·006	− ·08
		Ms	19·9	5	− ·012	− ·04
		80	20·9	3	− ·004	− ·06
		85	13·9	9	− ·001	− ·03
		90	7·2	6	− ·003	·00
					− ·004	− ·03
5045	9·1	Z	25·1	1	·000	+ ·02
5046	8·7	Z	24·0	1	+ ·003	+ ·09
5047	8·5	Z	23·6	2	− ·008	− ·03
5049	6·3	t	60·7	3	+ ·003	− ·03
		G	25·0	4	− ·004	− ·04
		80	23·1	3	+ ·003	− ·08
					+ ·002	− ·04
5050	7·7	G	22·8	4	− ·016	− ·13
		80	21·0	3	− ·008	− ·10
					− ·012	− ·11
5051	9·5	Z	23·1	1	− ·009	− ·02
5052	8·9	Z	24·0	2	−0·002	+0·02
5053	8·0	G	21·9	4	− ·011	− ·04
		80	19·9	3	− ·008	+ ·07
					− ·009	+ ·03
5055	9·0	Z	23·0	1	− ·017	+ ·02
5057	7·2	t	59·5	2	− ·006	− ·01
		G	23·8	4	− ·009	·00
		80	22·0	3	− ·003	·00
					− ·006	− ·01
5059	8·3	G	19·4	4	− ·006	− ·04
		Z	25·0	2	− ·014	·00
					− ·008	− ·03
5060	7·5	G	17·8	3	− ·005	− ·05
		Z	23·8	1	− ·007	+ ·03
					− ·005	− ·03
5061	9·3	Z	24·9	2	− ·003	+ ·02
5062	9·3	Z	23·9	1	− ·013	·00
5064	8·8	Z	24·0	2	− ·004	·00
5065	7·0	t	58·7	3	− ·011	− ·07
		G	21·9	4	− ·018	− ·06
		Ms	15·1	5	− ·009	− ·03
		80	19·9	3	− ·009	− ·07
					− ·012	− ·07
5066	5·0	t	56·9	6:5	− ·002	− ·06
		40	57·9:60·8	3:7	− ·002	− ·04
		50	45·9:47·8	2:1	− ·006	− ·03
		60	38·0	1	+ ·001	− ·07
		G	24·1	7	− ·008	− ·03
		Ms	19·9	5	− ·007	− ·07
		80	21·9	3	+ ·004	− ·03
					− ·003	− ·04
5067	9·3	Z	25·1	1	− ·008	− ·06
5070	7·6	t	60·7	3	− ·007	·00
		G	23·9	4	− ·008	− ·05
		80	23·0	3	·000	·00
					− ·006	− ·01
5072	8·8	Z	24·8	1	− ·005	− ·05
5073	9·0	Z	23·2	1	− ·003	− ·04
5075	7·9	G	22·9	4	− ·010	− ·07
		80	21·0	3	·000	− ·08
					− ·005	− ·08
5077	7·8	G	20·7	11	− ·005	− ·08
		Z	23·2	2	− ·012	− ·07
					− ·006	− ·08
5078	8·0	Z	25·2	5	− ·010	− ·03
5079	8·7	G	17·8	3	− ·006	− ·06
		Z	25·0	2	− ·010	− ·05
		Ms	15·9	5	− ·013	+ ·01
					− ·007	− ·03
5080	9·2	Z	25·8	1	− ·009	− ·01
5081	9·0	Z	23·4	2	− ·013	− ·09
5082	9·1	Z	25·0	1	− ·007	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
	8·0	G	19·8	3	−0·007	+0·02
		Z	25·3	3	− ·005	− ·04
					− ·006	·00
5084	9·0	Z	23·9	1	− ·006	·00
5085	5·0	t	64·2:65·1	10:4	− ·004	− ·03
		40	56·1:60·3	4:12	− ·005	− ·03
		50	44·0:45·1	2	− ·001	− ·04
		60	36·0	2	− ·001	− ·08
		65	29·1	3	− ·001	− ·04
		M	26·9	3	− ·004	− ·04
		G	22·0	5	− ·007	− ·07
		Ms	18·0	5	− ·009	− ·03
		80	19·0	3	+ ·001	− ·05
		m	12·0	3	− ·005	− ·02
					− ·004	− ·04
5086	6·5	G	23·0	6	− ·009	− ·08
		80	19·8	3	− ·006	− ·08
					− ·008	− ·08
5087	8·8	Z	24·9	3	− ·007	− ·01
5088	9·1	Z	25·9	2	− ·007	+ ·10
5089	9·0	Z	23·7	1	− ·015	− ·08
5090	9·0	Z	24·0	2	− ·006	+ ·02
5091	7·3	t	60·0:59·9	3:1	− ·002	− ·01
		G	22·3:22·1	9:8	− ·011	− ·03
		80	21·9	3	− ·002	− ·01
					− ·005	− ·02
5092	7·0	t	61·0	3	− ·002	+ ·10
		G	21·4	7	− ·008	+ ·09
		80	22·9	3	− ·005	+ ·12
		90	11·6	7	− ·002	+ ·09
					− ·004	+ ·10
5093	8·3	Z	24·0	2	− ·005	− ·04
5094	7·0	t	60·7	3	− ·011	− ·03
		50	47·0:49·1	2:1	− ·007	− ·06
		G	24·9	4	− ·008	− ·03
		80	23·0	3	− ·003	− ·03
					− ·008	− ·04
5095	8·0	G	16·3	3	− ·001	− ·08
		Z	23·5	1	− ·007	− ·06
					− ·002	− ·08
5096	9·0	Z	23·6	2	− ·007	− ·03
5097	9·0	Z	24·2	3	− ·002	− ·01
5098	8·0	Z	23·5	2	− ·006	− ·08
5099	9·0	Z	23·9	1	− ·009	− ·04
5100	6·7	t	58·1	3	− ·006	− ·04
		G	22·7	4	− ·007	− ·09
		80	19·7	3	− ·003	− ·07
					− ·006	− ·05
5102	8·9	Z	25·0	2	+ ·004	− ·06
5103	9·1	G	18·8	3	− ·005	− ·05
5104	9·0	Z	24·3	3	+ ·020	+ ·12
5105	8·0	Z	23·0	1	− ·002	− ·05
5106	8·5	G	17·8	3	−0·011	−0·19
		Z	23·9	2	− ·015	− ·14
					− ·012	− ·17
5107	8·1	t	59·0	1:2	− ·004	− ·04
		G	24·0	4	− ·006	− ·03
		80	21·4	6	− ·002	− ·01
					− ·003	− ·03
5108	8·4	Z	25·1	1	+ ·006	− ·30
5109	7·9	G	19·0	3	− ·006	− ·03
		Z	25·9	2	− ·009	− ·04
					− ·007	− ·03
5110	7·8	G	18·5	5	− ·012	− ·05
		Z	24·1	2	− ·011	+ ·01
					− ·012	− ·04
5112	9·5	Z	23·9	1	− ·004	− ·01
5113	8·6	Z	25·9	1	+ ·003	·00
5114	9·5	Z	23·0	1	+ ·002	·00
5115	7·3	t	61·1	2:3	− ·007	− ·11
		G	23·9	4:3	− ·018	− ·12
		80	23·0	3	− ·008	− ·08
					− ·010	− ·11
5116	8·3	G	18·9	3	− ·004	− ·05
		Z	24·0	1	+ ·012	+ ·05
					− ·002	− ·03
5117	8·6	Z	25·8	1	− ·009	+ ·03
5118	9·5	Z	23·9	2	− ·015	+ ·08
5120	8·4	Z	22·8	1	− ·009	− ·11
5122	8·5	Z	23·4	1	− ·013	− ·06
5123	9·0	Z	24·0	1	− ·014	− ·10
5124	7·0	t	58·5	3	− ·004	− ·01
		G	21·6	4	− ·010	− ·06
		Ms	13·9	5	− ·006	·00
		80	19·8	3	− ·007	− ·01
					− ·006	− ·02
5125	9·1	Z	25·0	2	− ·006	·00
5126	9·5	Z	22·9	1	− ·011	− ·03
5128	9·1	Z	23·8	2	− ·015	− ·02
5129	9·6	Z	25·1	1	− ·002	− ·01
5130	8·8	Z	24·9	1	− ·010	− ·01
5131	7·8	t	60·9	2	− ·003	− ·05
		G	22·9	4	− ·001	− ·03
		80	23·0	3	·000	+ ·02
					− ·002	− ·03
5132	7·8	G	23·4	6	− ·008	·00
		80	23·0	3	− ·005	+ ·03
					− ·007	+ ·01
5134	9·5	Z	24·9	2	− ·012	·00
5135	8·1	Z	24·0	2	− ·008	− ·18
5136	9·5	Z	23·0	1	− ·011	− ·04
5137	9·5	Z	23·9	1	−0·006	+0·02
5138	6·5	G	22·1	4	− ·018	− ·04
		80	19·3	3	− ·018	− ·07
					− ·018	− ·06
5140	7·5	t	59·0	1	− ·002	·00
		G	21·0	4	− ·001	− ·05
		80	20·0	3	− ·006	− ·06
					− ·003	− ·03
5142	8·8	Z	24·8	1	− ·006	+ ·04
5143	7·0	t	60·0	2	+ ·011	− ·15
		G	23·9	4	+ ·005	− ·17
		80	20·9	3	+ ·011	− ·16
		90	2·8	3	+ ·025	·00
					+ ·009	− ·16
5144	9·0	Z	23·0	1	− ·004	− ·02
5145	9·3	Z	25·9	1	− ·015	+ ·10
5147	9·3	Z	25·0	1	+ ·001	− ·07
5148	9·1	Z	23·9	1	− ·008	− ·13
5149	8·3	G	18·3	4	− ·010	− ·01
		Z	23·5	1	− ·013	− ·08
					− ·010	− ·02
5150	8·8	65	35·1	4	+ ·005	− ·05
		Z	23·0	2	− ·009	− ·02
					+ ·004	− ·05
5151	8·6	Z	25·3	3	− ·002	− ·01
5152	7·4	G	17·8	1	− ·005	+ ·10
		Z	24·9	1	− ·003	·00
					− ·004	+ ·07
5154	9·5	Z	23·6	1	− ·022	− ·09
5155	9·5	Z	23·6	1	− ·003	− ·04
5156	8·0	G	16·5	3	− ·006	− ·09
		Z	23·6	1	− ·015	− ·03
					− ·007	− ·08
5157	8·0	Z	25·9	1	− ·004	+ ·02
5158	7·5	G	22·6	4	− ·008	− ·04
		80	19·6	3	− ·006	− ·09
					− ·007	− ·07
5159	9·3	Z	24·3	3	− ·001	− ·03
5161	7·8	G	24·5	3	− ·011	− ·01
		Z	25·9	1	− ·011	·00
					− ·011	− ·01
5162	8·8	Z	24·8	1	− ·004	− ·04
5163	9·3	Z	23·2	1	− ·010	− ·05
5164	9·4	Z	23·9	1	+ ·007	− ·01
5166	7·8	t	59·0	1	− ·016	− ·04
		G	19·1	4	− ·010	− ·05
		Ms	16·0	5	− ·004	− ·01
		80	21·9	3	− ·003	+ ·02
					− ·009	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
5167	8·8	Z	24·2	3	+0·003	−0·05
5168	6·5	G	22·1	4	− ·011	− ·03
		Ms	13·1	5	− ·002	+ ·05
		8o	18·7	3	− ·010	− ·09
					− ·010	− ·05
5169	10·0	Z	23·9	1	− ·003	− ·06
5170	6·0	t	61·4:61·3	5	− ·002	− ·12
		4o	57·8	3	...	− ·09
		5o	45·9:47·1	2	·000	− ·09
		G	23·9	4	− ·003	− ·14
		8o	20·8	3	+ ·002	− ·11
		m	20·8	3	− ·002	− ·09
					− ·001	− ·11
5171	7·8	t	60·1	1	− ·013	− ·03
		G	25·0	4	− ·013	− ·04
		8o	23·0	3	− ·005	− ·03
					− ·010	− ·03
5174	7·5	G	19·9	3	·000	− ·01
		Z	25·9	1	− ·001	+ ·02
					·000	·00
5175	9·0	Z	24·1	1	− ·009	− ·10
5176	8·6	Z	25·9	2	·000	+ ·06
5177	8·8	Z	23·9	1	− ·010	+ ·02
5178	8·8	G	18·1	4	− ·006	− ·11
		Z	22·9	1	− ·004	− ·09
					− ·006	− ·11
5179	8·3	G	20·1	4	− ·006	− ·06
		Z	25·0	2	− ·004	− ·02
					− ·006	− ·05
5180	8·5	G	19·0	3	− ·002	·00
5181	9·5	Z	23·4	1	− ·008	− ·06
5182	6·5	t	59·9	1	− ·003	− ·03
		G	23·8	4	− ·011	+ ·03
		8o	22·0	3	− ·002	− ·02
					− ·005	− ·01
5184	8·7	Z	23·9	2	− ·010	·00
5185	8·3	Z	24·9	2	− ·007	− ·02
5186	7·0	t	60·0	1	− ·012	− ·02
		G	24·9	4	·009	− ·03
		8o	22·9	3	− ·003	− ·01
		9o	8·2	6	− ·001	− ·04
					− ·007	− ·02
5189	9·0	Z	23·8	1	− ·024	− ·09
5190	8·5	Z	23·7	1	− 009	− ·05
5191	8·3	G	18·9	3	− ·010	− ·12
		Z	24·2	3	− ·012	− ·05
					− ·011	− ·10
5192	8·9	Z	25·0	2	− ·007	− ·01
5194	8·0	G	17·6	3	− ·010	− ·05
		Ms	14·6	5	− ·015	− ·03
		8o	19·5	3	− ·006	+ ·01
					− ·009	− ·01
5198	9·5	Z	23·7	1	−0·004	−0·10
5199	7·0	G	22·0	4	− ·012	− ·09
		8o	19·0	3	− ·009	− ·06
					− ·011	− ·07
5200	8·3	G	18·9	3	− ·008	− ·08
		Z	25·0	1	− ·003	− ·08
					− ·007	− ·08
5201	7·0	t	57·1	2	− ·011	− ·05
		G	21·3	5	− ·012	− ·08
		8o	19·0	3	− ·004	− ·04
					− ·010	− ·05
5203	8·5	Z	23·9	1	− ·005	− ·04
5207	8·5	Z	23·9	1	− ·006	− ·02
5208	5·0	t	66·0:65·8	7:8	− ·002	·00
		4o	63·9:62·4	2:4	− ·010	− ·04
		5o	46·0:48·1	2	− ·001	·00
		65	31·1	4	+ ·001	− ·01
		M	27·9	3	− ·005	− ·01
		G	24·0	4	− ·007	− ·08
		Ms	19·7	5	− ·007	− ·10
		8o	21·0	3	− ·004	·00
		9o	6·0:6·2	10:9	− ·018	− ·03
					− ·004	− ·02
5209	9·5	Z	23·8	1	− ·005	− ·03
5210	9·0	Z	25·9	1	− ·009	+ ·13
5211	8·5	Z	23·1	1	− ·015	− ·10
5212	9·5	Z	23·9	1	+ ·001	− ·10
5215	8·0	G	19·8	3	− ·038	+ ·04
		Z	25·9	1	− ·037	+ ·10
					− ·038	+ ·05
5216	9·0	Z	23·9	2	− ·007	− ·02
5217	9·1	Z	25·0	1	− ·010	− ·01
5218	7·8	G	21·8	11	− ·010	− ·02
		Ms	16·1	6	− ·009	− ·07
		8o	22·0	3	− ·007	− ·01
					− ·009	− ·02
5219	9·0	Z	23·5	1	− ·011	− ·02
5220	7·5	t	58·1:57·4	5	− ·005	− ·07
		G	20·3	4	− ·009	− ·08
		Ms	31·6	6	− ·008	− ·07
		8o	19·3	4	− ·008	− ·07
					− ·006	− ·07
5221	9·5	Z	25·9	2	− ·006	+ ·02
5222	9·0	Z	23·2	2	− ·004	− ·11
5223	7·0	t	58·9	2	− ·012	− ·02
		G	23·9	4	− ·011	− ·06
		8o	22·0	3	− ·003	− ·03
					− ·009	− ·03
5224	8·4	G	19·8	3	− ·004	− ·00
		Z	23·9	3	− ·003	− ·01
					− ·004	·00
5226	9·3	Z	23·9	2	− ·011	− ·05
5227	7·8	t	58·1:58·5	4:3	−0·003	−0·04
		G	21·0	4	− ·001	− ·05
		8o	21·9	3	− ·001	+ ·02
					− ·002	− ·03
5228	9·0	Z	23·0	1	− ·017	− ·05
5229	9·5	Z	23·1	2	− ·017	− ·04
5230	8·1	G	19·4	4	+ ·001	− ·03
		Z	25·0	1	+ ·004	− ·05
					+ ·001	− ·03
5232	8·5	Z	23·7	2	− ·005	− ·03
5233	9·3	Z	25·9	1	− ·002	− ·03
5234	9·1	Z	25·1	1	− ·003	− ·01
5235	9·4	Z	23·6	3	− ·012	+ ·03
5236	8·5	G	18·9	3	− ·001	− ·03
		Z	23·9	1	− ·008	·00
					− ·002	− ·02
5237	8·4	G	19·0	2	·000	− ·02
		Z	24·0	2	− ·003	+ ·03
					− ·001	·00
5238	8·8	Z	23·9	1	− ·021	− ·03
5239	7·9	t	60·0	3	− ·002	− ·03
		G	22·9	8	− ·006	− ·02
		8o	19·8	3	− ·012	− ·02
					− ·005	− ·03
5240	7·8	t	60·0	2	− ·003	+ ·08
		G	19·9	4	− ·010	+ ·05
		8o	20·9	2	− ·015	+ ·05
					− ·007	+ ·07
5241	7·5	G	20·0	3	+ ·001	− ·07
		8o	18·9	2	− ·009	− ·02
					− ·002	− ·04
5242	8·8	Z	25·9	2	− ·016	·00
5245	9·0	Z	23·0	2	− ·007	·00
5246	8·5	G	20·2	4	− ·008	− ·11
		8o	18·6	3	− ·008	− ·05
					− ·008	− ·07
5247	8·5	G	17·8	2	− ·003	− ·03
		Z	24·9	2	− ·002	− ·04
					− ·003	− ·03
5248	7·3	t	60·9	2	− ·003	+ ·01
		G	23·9	4	− ·012	− ·04
		8o	23·0	3	− ·001	+ ·01
					− ·005	·00
5249	5·0	t	66·0:65·7	9:7	− ·008	− ·02
		4o	62·6:63·6	10:9	− ·006	− ·02
		5o	47·0:49·0	2:1	− ·007	− ·02
		65	32·1	4	− ·010	− ·02
		M	29·9	3	− ·005	+ ·01
		G	24·9	8	− ·010	+ ·02
		8o	23·0	3	− ·003	+ ·01
					− ·007	− ·02
5250	8·1	Z	22·9	1	·000	− ·07
		Ms	30·2	5	− ·008	− ·02
					− ·007	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
5251	8·3	G	25·2:25·1	4:5	−0·006	−0·07
		Z	24·9	1	− ·006	+ ·08
					− ·006	− ·05
5252	9·5	Z	23·0	1	− ·015	− ·05
5253	8·3	G	18 9	3	− ·005	− ·08
		Z	23·9	1	− ·002	·00
					− ·005	− ·06
5255	9·3	Z	22·9	1	− ·001	− ·02
5257	7·9	t	60·3:59·7	4:3	− ·008	− ·06
		G	23·3:23·2	8:7	− ·012	− ·09
		8o	21·3	5	− ·007	− ·07
					− ·009	− ·07
5259	7·0	t	61·3:61·6	3	+ ·001	− ·03
		5o	44·1:45·1	2	− ·008	− ·02
		G	22·0	4	− ·009	− ·05
		8o	19·0	2	− ·008	− ·05
		9o	2·2	12	+ ·019	− ·19
					− ·004	− ·03
5262	9·0	Z	23·6	1	+ ·004	+ ·04
5263	8·1	t	59·7	3	− ·007	− ·06
		G	22·3	5	− ·004	− ·07
		8o	21·9	5	− ·001	− ·05
					− ·004	− ·06
5264	8·5	G	18·4	3	− ·007	+ ·03
		Z	25·0	1	+ ·005	− ·06
					− ·005	+ ·01
5265	8·5	Z	23·9	2	− ·005	− ·10
5266	8·4	G	17·9	1	− ·013	− ·02
		Z	23·9	2	− ·016	− ·02
					− ·014	− ·02
5267	9·0	Z	25·8	1	− ·011	·00
5268	6·5	t	61·8:62·3	3:4	·000	− ·06
		5o	44·6:46·5	2:1	− ·005	+ ·01
		G	22·4	4	− ·012	+ ·01
		8o	19·5	3	+ ·001	− ·04
		m	16·5	3	− ·005	+ ·04
					− ·003	− ·03
5269	7·8	t	60·0	2	− ·005	− ·01
		G	21·9	4	− ·005	− ·02
		8o	22·0	3	·000	− ·03
					− ·004	− ·02
5270	8·5	G	17·2	3	− ·009	− ·05
		Z	23·3	1	− ·001	− ·06
					− ·008	− ·05
5271	9·0	Z	25·9	1	− ·012	·00
5275	9·3	Z	22·9	1	+ ·002	− ·11
5277	8·5	Z	23·5	1	− ·006	− ·05
5278	4·5	t	68·0:66·0	6:5	− ·006	− ·05
		4o	58·9	2	...	− ·04
		5o	47·0:49·0	2:1	− ·005	− ·03
		65	32·1	3:4	− ·005	− ·01
		M	29·9	3	− ·004	− ·02
		G	24·0	8	− ·008	− ·02
		Ms	20·4	5	− ·008	− ·11
		8o	22·9	3	− ·002	− ·03
					− ·005	− ·04
5279	7·5	t	58·4	2	−0·008	−0·01
		G	23·2	7	− ·005	− ·08
		Ms	14·0	5	+ ·003	− ·01
		8o	19·9	3	+ ·001	− ·03
					− ·005	− ·03
5280	7·5	t	59·6	3	− ·007	− ·03
		G	23·9	4	− ·012	− ·05
		8o	21·9	3	·000	·00
					− ·007	− ·03
5281	7·3	t	60·0	2	− ·012	− ·01
		G	24·2	5	− ·013	− ·01
		8o	22·9	3	− ·002	− ·02
					− ·010	− ·01
5282	8·6	Z	23·9	2	− ·001	− ·08
5284	9·0	Z	25·1	1	+ ·004	− ·03
5285	8·0	G	20·0:19·7	14:13	− ·009	− ·10
		Z	23·1	1	− ·009	− ·11
					− ·009	− ·10
5286	9·1	Z	23·6	1	− ·011	− ·06
5287	9·2	Z	25·8	1	− ·016	− ·02
5288	7·0	t	60·0:60·7	6:7	− ·022	− ·26
		4o	57·8	2	...	− ·23
		5o	45·9:47·0	2	− ·022	− ·24
		G	22·2	6	− ·025	− ·25
		8o	21·9	3	− ·017	− ·22
					− ·022	− ·25
5289	9·0	Z	25·9	2	− ·003	+ ·04
5290	9·0	Z	23·6	1	− ·008	− ·12
5291	8·6	G	20·9	3:4	− ·006	− ·05
		Z	23·9	2	− ·006	− ·03
					− ·006	− ·05
5292	9·2	Z	23·6	3	− ·008	− ·06
5293	7·5	G	19·9	3	− ·005	+ ·01
		Z	25·9	1	− ·007	+ ·02
					− ·005	+ ·01
5295	8·1	G	20·1	4	− ·006	− ·08
		Z	24·2	3	− ·003	− ·03
					− ·005	− ·07
5296	9·2	Z	23·9	1	− ·003	− ·01
5298	8·0	t	57·2	2	− ·009	− ·02
		G	18·0	4	− ·012	+ ·01
		8o	18·9	3	− ·005	− ·04
					− ·009	− ·02
5299	8·0	G	18·5	4	− ·002	− ·04
5302	9·0	Z	23·3	1	+ ·002	− ·06
5303	8·5	G	18·8	1	− ·005	− ·07
		Z	25·9	1	− ·009	+ ·02
					− ·006	− ·04
5304	7·7	t	58·4	5	− ·007	− ·03
		G	20·4	4	− ·006	− ·02
		8o	21·4	6	− ·006	·00
					− ·007	− ·02
5305	9·5	Z	24·0	3	−0·009	−0·04
5306	8·7	Z	23·9	1	+ ·003	+ ·03
5307	8·1	Z	24·0	3	− ·007	− ·05
5308	9·1	Z	25·9	1	− ·014	+ ·02
5310	7·4	t	59·6:59·9	3:2	− ·007	− ·01
		G	23·9	4	− ·009	− ·08
		8o	21·9	3	− ·003	− ·04
		9o	7·4	12	·000	− ·07
					− ·006	− ·03
5312	8·4	Z	24·2	3	− ·009	+ ·04
5313	9·5	Z	25·9	1	− ·005	+ ·09
5314	8·5	Z	25·9	1	− 005	+ 01
5315	9·0	Z	22·9	1	− ·010	− ·06
5316	9·5	Z	23·8	1	− ·003	− ·02
5317	9·3	Z	24·0	1	− ·006	− ·03
5319	9·0	Z	23·5	2	− ·011	+ ·04
5320	7·0	G	22·9	6	− ·011	+ ·03
		8o	23·0	3	− ·001	− ·02
					− ·008	·00
5321	9·3	Z	24·8	1	− ·012	+ ·02
5323	9·2	Z	25·0	2	− ·005	+ ·04
5324	9·3	Z	24·0	1	− ·003	− ·06
		Ms	15·1	5	+ ·003	− ·07
					·000	− ·07
5325	9·5	Z	23·6	1	− ·006	+ ·08
5326	8·8	Z	24·9	1	− ·024	− ·04
5327	8·5	65	37·0	4	− ·016	− ·09
		Z	23·9	2	− ·024	− ·02
					− ·016	− ·09
5329	7·6	t	59·1	2	− ·008	− ·06
		G	21·9	4	− ·007	− ·11
		8o	21·0	3	− ·005	− ·07
					− ·007	− ·07
5330	8·1	Z	23·9	2	− ·003	− ·09
5331	8·5	Z	23·6	1	− ·007	− ·03
5332	7·0	t	60·0	2	− ·002	− ·02
		4o	58·0:57·8	1:2	− ·009	− ·02
		5o	46·0:46·8	2:3	− ·009	− ·07
		G	24·0	4	− ·013	− ·06
		8o	21·9	3	− ·004	− ·01
					− ·007	− ·04
5333	9·0	Z	23·1	1	− ·006	− ·13
5334	6·5	4o	59·0	3	− ·002	...
		G	24·2	5	− ·006	− ·06
		8o	23·0	3	+ ·001	− ·02
		9o	5·0	4	·000	− ·08
					− ·003	− ·04
5335	9·3	Z	24·9	2	− ·006	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
5336	7·0	t	59·0	2	−0·001	0·00
		G	22·8	4	− ·007	− ·04
		Ms	14·0	5	− ·009	− ·04
		8o	19·9	3	− ·006	− ·04
					− ·004	− ·02
5337	8·3	G	20·0	4	− ·005	− ·07
		8o	23 9	2	− ·006	·00
					·005	− ·03
5338	8·5	Z	23·4	1	− ·009	+ ·04
5339	9·0	Z	23·6	2	− ·008	− ·11
5340	8·8	Z	24·9	1	− ·002	+ ·01
5342	8·0	G	19·0	4	− ·008	− ·05
		Z	23·8	1	− ·005	− ·01
					− ·008	− ·05
5345	8·4	G	18·9	3	− ·001	− ·03
		Z	25·9	1	− ·004	+ ·03
					− ·001	− ·02
5348	9·5	Z	23·2	1	− ·006	− ·03
5352	9·0	Z	23·9	2	− ·001	− ·10
5353	9·0	Z	23·6	1	+ ·001	− ·06
5354	9·1	Z	23·9	2	− ·006	− ·03
5356	9·3	Z	22·9	1	− ·010	·00
5358	8·8	Z	26·0	1	− ·007	+ ·08
5359	8·0	G	18·2	4	− ·006	− ·03
		Ms	27·3	5	− ·002	− ·01
		8o	19·2	3	− ·005	− ·01
					− ·004	− ·02
5360	9·0	Z	24·8	1	+ ·004	− ·02
5362	7·0	t	58·2	3	− ·005	− ·04
		4o	59·4	1	− ·007	...
		G	22·3	4	− ·014	+ ·01
		8o	19·4	3	− ·009	− ·05
					− ·007	− ·03
5363	9·1	Z	22·9	1	− ·010	·00
5364	9·1	Z	23·9	2	− ·011	·00
5367	9·2	Z	22·9	1	·000	+ ·01
5368	9·3	Z	25·9	1	− ·012	+ ·02
5369	8·6	Z	24·0	2	− ·003	·00
5370	7·4	G	21·2	4	− ·004	− ·11
		8o	20·9	3	− ·006	− ·10
					− ·005	− ·10
5372	8·9	Z	24·1	2	− ·003	− ·03
5373	9·0	Z	26·3	1	− ·008	− ·04
5374	9·5	Z	25·9	1	− ·005	+ ·03
5375	8 3	Z	23·9	2	·000	− ·05
5377	9·8	Z	24·0	2	− ·005	− ·09
5379	9·0	G	17·8	1	−0·011	−0·01
		Z	25·0	1	·000	+ ·02
					− ·007	·00
5380	8·0	G	20·0	1	− ·001	− ·09
		Z	23·1	1	− ·002	− ·15
					− ·001	− ·11
5381	8·8	Z	23·9	2	− ·010	+ ·01
5382	9·1	Z	25·9	1	− ·007	+ ·07
5383	9·0	Z	21·2	1	− ·006	+ ·01
5385	7·8	G	18·8	4	− ·019	− ·13
		Z	23·3	3	− ·017	− ·17
					− ·018	− ·14
5386	8·1	G	20·0	4	− ·001	− ·06
		Z	24·2	3	− ·005	− ·03
					− ·002	− ·05
5387	8·0	Z	23·7	1	− ·004	·00
5388	8·4	G	20·1	4	− ·007	− ·04
		Z	23·9	2	− ·017	+ ·06
					− ·009	− ·02
5390	9·1	Z	25·9	1	− ·007	+ ·02
5391	8·5	Z	23·4	1	− ·005	+ ·02
5392	8·3	G	17·9	3	− ·004	− ·06
		Z	24·8	1	− ·006	− ·05
					− ·004	− ·06
5393	8·0	Z	25·9	1	− ·009	− ·03
5394	7·5	G	24·5	10	− ·005	− ·05
		8o	20·9	2	+ ·010	− ·03
					− ·003	− ·04
5395	8·0	G	19·8	4	− ·011	− ·11
		Z	23·8	1	− ·004	− ·08
					− ·010	− ·11
5396	8·1	G	19·0	3	− ·009	− ·01
		Z	24·0	1	− ·015	− ·02
					− ·010	− ·01
5397	9·0	Z	23·4	1	+ ·003	+ ·15
5399	8·3	G	18·8	2	− ·008	+ ·05
		Z	24·9	2	− ·009	·00
					− ·008	+ ·03
5400	9·0	Z	23·2	1	− ·019	− ·06
5401	8·4	Z	25·9	1	− ·019	·00
5402	8·8	G	17·8	2	− ·007	− ·15
		Z	25·1	1	+ ·003	− ·10
					− ·004	− ·14
5403	9·4	Z	24·8	1	+ ·001	− ·01
5404	7·8	G	17·0	3	− ·009	− ·02
		Z	23·0	1	+ ·001	− ·06
					− ·008	− ·03
5405	8·8	Z	25·9	1	− ·007	− ·07
5406	8·6	Z	24·0	2	−0·009	−0·04
		8o	21·9	3	+ ·005	·00
					+ ·002	− ·01
5407	7·5	t	60·7	3	− ·005	− ·08
		G	22·9	4	− ·005	− ·06
		8o	23·0	3	+ ·004	− ·03
					− ·003	− ·07
5408	8·5	G	24·0	2	− ·005	− ·03
		Z	23·0	1	− ·001	− ·14
					− ·004	− ·05
5410	8·9	G	18·8	3	− ·003	− ·03
		Z	25·0	1	+ ·005	− ·02
					− ·002	− ·03
5411	7·8	G	21·9	4	− ·006	− ·07
		8o	22·0	4	− ·006	+ ·01
					− ·006	− ·02
5412	7·0	t	58·4	4	− ·021	− ·12
		G	21·7	5	− ·023	− ·20
		8o	19·4	3	− ·021	− ·20
					− ·022	− ·14
5413	9·3	Z	24·9	1	+ ·011	+ ·02
5414	8·6	G	20·9	1	− ·015	·00
		Z	25·9	1	− ·010	+ ·03
					− ·013	+ ·01
5415	9·4	Z	24·8	1	− ·002	− ·03
5416	9·0	Z	23·0	1	+ ·003	+ ·01
5417	9·3	Z	25·9	1	− ·002	·00
5418	8·0	G	18·1	5	− ·007	− ·05
		Z	23·1	1	− ·012	·00
		Ms	13·5	5	− ·001	− ·12
					− ·007	− ·07
5419	8·0	t	60·3	3	− ·006	− ·01
		G	23·3	5	− ·011	− ·03
		8o	23·0	3	− ·005	− ·02
					− ·007	− ·01
5420	9·0	G	14·8	1	− ·012	− ·03
		Z	23·8	1	− ·010	− ·07
					− ·011	− ·04
5421	8·5	Ms	14·7	5	− ·006	− ·03
5422	8·4	G	17·8	3	− ·009	− ·14
		Z	24·9	1	− ·004	− ·10
					− ·008	− ·13
5423	9·1	Z	24·0	1	− ·003	− ·04
5424	9·1	G	15·9	2	− ·017	+ ·02
		Z	22·9	1	− ·017	+ ·07
					− ·017	+ ·03
5426	9·3	Z	23·9	1	− ·019	− ·01
5428	8·5	G	18·1	4	− ·009	− ·08
		Z	22·0	2	− ·011	·00
					− ·009	− ·06
5429	9·4	G	15·8	1	− ·013	− ·04
		Z	23·9	1	+ ·007	− ·02
					− ·006	− ·03
5431	9·5	Z	23·1	1	− ·007	− ·07

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5432	9·0	Z	23·9	1	−0·002	−0·11
5433	8·0	G	20·9	5	− ·008	+ ·04
		Z	25·9	1	− ·010	− ·01
					− ·008	+ ·03
5434	8·5	Z	25·9	2	− ·002	− ·05
5436	8·5	G	14·0	2	− ·010	− ·14
		Z	23·0	1	− ·003	− ·12
					− ·008	− ·14
5438	9·5	Z	23·1	1	− ·008	+ ·02
5439	7·0	t	62·2:62·0	3	− ·004	− ·04
		G	22·8	4	− ·013	·00
		8o	19·6	3	− ·006	− ·06
					− ·006	− ·04
5440	4·0	t	66·8:65·4	5:11	− ·005	− ·03
		4o	62·4:62·9	13:20	− ·004	− ·04
		5o	46·1:47·5	2	·000	− ·05
		6o	37·9	2	·000	− ·04
		65	31·1	1:3	− ·011	− ·03
		M	27·9	4	− ·005	− ·06
		G	23·9	4	− ·010	− ·06
		Ms	19·9	5	− ·010	− ·08
		8o	22·0	3	− ·001	− ·01
		85	14·0	25	− ·001	− ·04
		9o	9·2	12	− ·002	·00
					− ·004	− ·04
5441	8·8	G	17·9	4	− ·009	+ ·01
		Z	23·9	2	− ·012	+ ·02
					− ·010	+ ·01
5442	9·2	Z	24·0	2	− ·009	− ·04
5443	9·5	Z	22·9	3	− ·013	− ·06
5444	8·5	G	18·9	3	− ·007	·00
		Z	25·1	1	·000	+ ·01
					− ·006	·00
5445	7·8	G	17·8	3	− ·011	− ·07
		Z	22·9	2	− ·009	− ·03
					− ·011	− ·06
5446	8·3	Z	25·9	1	− ·008	− ·05
5447	8·5	Z	24·0	1	− ·006	− ·55
5448	9·3	Z	24·0	1	+ ·001	+ ·02
5449	8·3	Z	22·9	1	− ·009	− ·10
5450	6·8	t	61·1	3	− ·001	− ·01
		G	24·1	4	− ·011	− ·04
		8o	23·0	3	+ ·002	·00
					− ·002	− ·01
5451	9·4	Z	24·9	1	·000	·00
5452	8·5	Z	23·0	1	+ ·003	− ·14
5453	8·7	Z	22·2	2	− ·005	·00
		Ms	24·9	6	− ·005	·00
					− ·005	·00
5454	8·8	Z	23·9	2	− ·005	+ ·03
5455	8·6	Z	23·0	1	− ·023	− ·06
5456	9·5	Z	22·1	2	·000	·00
5457	9·7	Z	25·9	2	−0·008	+0·07
5458	8·8	Z	22·9	2	− ·001	− ·05
5459	9·5	Z	21·9	1	− ·012	− ·09
5460	9·5	Z	21·4	1	− ·013	+ ·01
5461	7·8	G	18·8	3	− ·018	− ·13
		Z	24·3	3	− ·017	− ·10
					− ·018	− ·12
5462	8·9	Z	24·5	3	− 004	·00
5463	7·5	t	57·7	2	− ·010	− ·05
		G	18·7	4	− ·002	− ·10
		8o	19·6	3	− ·002	− ·01
					− ·006	− ·05
5464	6·0	t	57·1	2	− ·007	− ·08
		G	21·1	6	− ·007	− ·09
		8o	19·1	3	− ·012	− ·10
					− ·008	− ·09
5465	8·8	Z	25·9	1	− ·009	− ·01
5467	Var.	Z	25·1:25·0	2:1	− ·006	− ·08
5468	9·0	Z	24·0	2	− ·005	+ ·03
5470	5·0	t	56·9:55·0	1:5	− ·004	− ·05
		4o	58·1:58·3	5:4	− ·004	− ·02
		5o	46·8:47·5	2	·000	− ·01
		6o	38·1	1	− ·002	− ·05
		M	27·9	3	− ·005	− ·04
		G	24·0	4	− ·008	− ·06
		Ms	19·0	5	− ·009	− ·06
		8o	21·0	3	− ·009	− ·01
		m	14·0	3	·000	+ ·03
					− ·004	− ·03
5471	8·8	Z	23·9	1	− ·003	+ ·13
5473	8·2	G	20·9	3:4	+ ·001	− ·01
		Z	25·9	1	·000	− ·01
					+ ·001	− ·01
5474	9·5	Z	21·4	1	− ·002	+ ·07
5475	9·0	Z	22·6	3	− ·015	− ·06
5476	8·6	Z	23·9	2	− ·005	+ ·04
5477	8·0	G	22·8	4	− ·003	− ·03
		8o	23·0	3	− ·001	− ·01
					− ·002	− ·02
5479	8·8	Z	22·0	2	− ·003	− ·07
5480	8·0	Z	24·8	1	− ·002	+ ·01
5481	8·6	Z	24·9	1	+ ·001	− ·08
5482	9·0	Z	22·2	2	− ·005	+ ·02
5483	9·0	Z	22·9	2	− ·009	− ·04
5484	8·9	Z	23·9	1	+ ·005	+ ·09
5485	8·1	G	18·0	3	+ ·002	− ·03
		Z	25·1	1	+ ·006	+ ·05
					·003	− ·01
5486	7·1	t	60·0	1	−0·001	−0·05
		G	24·0	4	− ·009	− ·08
		8o	21·9	3	+ ·001	− ·06
					− ·003	− ·06
5487	9·2	Z	25·9	1	·000	+ ·06
5488	9·5	Z	25·9	1	− ·008	− ·02
5489	8·6	G	18·8	2	− ·010	+ ·06
		Z	24·9	2	− ·009	+ ·05
					− ·010	+ ·06
5490	5·2	t	63·1:63·0	3:2	− ·007	− ·11
		4o	58·0:57·9	4:3	− ·004	− ·01
		5o	46·2:47·4	3:2	− ·005	− ·03
		G	23·9	4	− ·009	− ·03
		Ms	19·5	5	·000	− ·01
		8o	20·9	3	− ·005	− ·05
		m	17·9	3	− ·006	+ ·01
					− ·005	− ·04
5491	8·1	G	18·9	3	− ·006	+ ·03
		Z	25·1	1	− ·002	·00
					− ·005	+ ·02
5493	8·5	G	19·9	3	− ·001	− ·06
		Z	25·9	1	+ ·002	+ ·02
					− ·001	− ·04
5494	8·5	Z	23·4	1	− ·003	− ·06
5495	8·0	5o	44·7	1	·000	...
		G	18·7	4	− ·003	− ·01
		Z	21·7	2	− ·008	+ ·01
					− ·002	− ·01
5496	9·0	Z	23·9	1	− ·010	− ·05
5497	9·1	Z	25·0	1	− ·002	+ ·04
5498	8·9	Z	23·9	2	− ·011	− ·05
5499	8·0	G	16·1	3	− ·008	− ·08
		Z	21·0	2	− ·006	+ ·03
					− ·008	− ·04
5500	9·5	Z	23·4	1	− ·003	+ ·03
5501	9·2	Z	22·9	1	− ·003	+ ·03
5502	8·0	Z	23·9	1	− ·004	+ ·01
5504	7·4	t	58·5	5	− ·001	− ·06
		65	37·0	5	+ ·002	− ·06
		G	23·1	9	− ·008	− ·06
		8o	22·0	4	+ ·003	− ·01
					− ·001	− ·05
5505	8·1	Z	24·9	1	+ ·002	− ·06
5506	8·0	Z	21·4	1	− ·012	− ·05
5507	9·3	G	20·6	4	− ·004	− ·04
		8o	18·5	2	− ·004	− ·03
					− ·004	− ·03
5508	8·6	G	18·4	3	− ·013	− ·04
		Z	24·3	3	− ·014	·00
					− ·013	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
5509	6·0	t	62·1:62·8	3:4	−0·001	−0·06
		40	57·0:59·1	2:4	− ·003	·00
		50	44·9:46·4	1:2	− ·003	+ ·02
		G	22·8	4	− ·005	·00
		80	19·9	3	+ ·003	+ ·01
					− ·002	− ·01
5510	7·0	t	57·5	1	− ·017	− ·05
		50	44·3:45·9	1:2	− ·001	− ·01
		G	22·3	4	− ·008	− ·01
		80	19·4	3	− ·008	− ·05
					− ·008	− ·03
5511	8·0	G	19·8	3	− ·009	− ·01
		Z	25·9	1	+ ·001	·00
					− ·008	− ·01
5512	7·3	t	59·5	2	− ·011	− ·08
		G	22·0	4	− ·007	− ·03
		80	20·9	3	− ·011	− ·02
					− ·010	− ·06
5513	8·5	Z	23·8	1	+ ·001	− ·05
5514	9·1	Z	22·0	1	− ·012	+ ·08
5515	7·7	t	60·0	2	− ·010	+ ·01
		G	21·9	4	− ·009	− ·01
		80	22·0	4	− ·008	− ·04
					− ·009	− ·01
5516	7·5	G	23·8	4	− ·020	− ·01
		80	21·9	3	− ·016	+ ·02
					− ·018	+ ·01
5517	8·0	G	20·2	4	− ·025	+ ·01
		Z	23·9	1	− ·023	+ ·10
					− ·025	+ ·02
5519	8·8	Z	22·4	2	− ·005	− ·02
5520	9·4	Z	24·9	1	− ·008	− ·06
5521	9·1	Z	24·0	1	− ·001	− ·03
5522	9·3	Z	23·8	1	− ·003	− ·07
5524	9·0	Z	21·9	3	− ·010	− ·03
5525	8·9	G	17·9	3	+ ·003	− ·04
		Z	25·1	1	+ ·004	·00
					+ ·003	− ·03
5526	9·1	Z	23·9	1	+ ·001	+ ·01
5528	9·0	Z	25·9	1	− ·005	− ·03
5529	6·0	t	61·3:61·9	3:4	− ·003	− ·04
		40	56·0	1:2	− ·006	− ·03
		50	44·1:46·2	2	− ·003	− ·03
		G	22·0	4	− ·006	− ·06
		80	18·5	3	− ·005	− ·04
		85	11·9	4	− ·002	+ ·02
		90	6·0:7·0	3:4	− ·002	− ·10
					− ·004	− ·03
5530	8·9	G	18·8	2	+ ·011	+ ·01
		Z	23·9	1	·000	− ·03
					+ ·008	·00
5532	9·0	Z	23·0	1	− ·003	+ ·04
5533	8·3	Z	24·0	1	− ·001	− ·07
5534	8·5	Z	21·0	1	−0·012	−0·01
5536	9·0	Z	23·0	1	− ·018	− ·12
5537	9·0	Z	21·0	1	− ·007	− ·02
5538	9·4	Z	21·9	1	− ·007	+ ·01
5540	9·2	Z	23·9	1	·000	+ ·10
5542	7·3	t	61·8	4	− ·003	− ·08
		G	21·5	5	·000	− ·03
		80	21·0	3	+ ·001	− ·02
					− ·002	− ·06
5544	8·3	Z	24·9	1	− ·009	− ·02
5545	7·0	t	58·0	4	− ·162	− ·25
		40	60·8:57·8	1	− ·165	− ·28
		G	24·0	5	− ·169	− ·32
		80	21·9	3	− ·167	− ·27
					− ·165	− ·27
5546	8·0	G	15·9	2	·000	− ·10
		Z	22·0	2	− ·005	− ·01
					− ·002	− ·07
5547	6·0	t	64·9	2:5	− ·015	− ·15
		40	58·0:57·8	1	− ·016	− ·16
		50	46·5:47·5	4:2	− ·013	− ·14
		M	29·0	3	− ·013	− ·10
		G	23·9	4	− ·016	− ·14
		Ms	18·9	5	− ·024	− ·20
		80	21·9	4	− ·012	− ·11
		90	5·7:5·1	4:6	− ·005	− ·04
					− ·014	− ·14
5548	9·5	Z	21·9	1	− ·009	+ ·05
5549	7·0	G	21·6	4	− ·007	− ·06
		80	19·6	3	+ ·001	− ·03
					− ·003	− ·04
5550	8·8	Z	25·9	2	− ·005	+ ·05
5551	7·0	t	60·1	2	− ·007	− ·02
		G	22·8	5	− ·007	− ·02
		80	22·9	3	− ·003	− ·02
					− ·006	− ·02
5552	9·0	Z	25·9	1	− ·007	·00
5554	9·2	G	17·7	2	− ·001	+ ·03
		Z	25·0	1	− ·006	+ ·02
					− ·002	+ ·03
5555	8·5	Z	24·0	2	− ·003	− ·05
5556	7·3	G	20·8	4	− ·004	+ ·01
		80	21·9	3	− ·003	·00
					− ·004	·00
5557	9·3	Z	23·9	1	− ·005	+ ·11
5558	9·0	Z	21·0	1	− ·022	− ·12
5559	8·8	Z	25·9	1	+ ·001	− ·04
5561	7·6	G	20·6	4	− ·002	− ·06
		80	22·9	3	+ ·007	·00
					+ ·002	− ·02
5562	9·5	Z	21·4	1	− ·005	− ·01
5564	8·0	Z	23·4	1	−0·005	−0·04
5565	9·0	Z	21·7	1	− ·002	− ·04
5566	8·3	G	21·1	1	− ·003	− ·07
		Z	23·9	1	− ·007	+ ·07
					− ·004	− ·02
5569	8·1	G	17·9	1	− ·014	− ·10
		Z	24·9	1	− ·006	− ·06
					− ·011	− ·09
5570	8·5	Z	21·3	1	− ·006	+ ·04
5571	8·9	Z	23·0	1	− ·004	+ ·03
5572	9·5	Z	23·3	1	− ·002	+ ·05
5573	8·0	G	21·4	4	− ·013	− ·06
		80	19·5	3	− ·009	− ·08
					− ·011	− ·07
5574	8·8	Z	25·9	1	− ·005	+ ·02
5575	8·9	Z	25·0	1	+ ·001	+ ·06
5576	8·5	Z	23·9	2	− ·004	− ·04
5577	8 o	t	59·9	2	·000	− ·03
		G	22·0	4	+ ·002	− ·03
		80	21·9	3	− ·004	− ·01
					·000	− ·02
5578	9·0	Z	21·2	1	− ·008	+ ·01
5579	9·1	Z	21·9	1	− ·009	− ·03
5580	8·5	G	18·0	4	− ·008	− ·06
		Z	23·8	1	− ·007	− ·03
					− ·008	− ·06
5581	9·2	Z	23·0	1	− ·015	·00
5582	8·5	Z	21·2	1	− ·011	+ ·03
5583	8·6	G	21·9	4	− ·007	− ·01
		Z	25·9	1	− ·012	− ·02
					− ·008	− ·01
5584	9·0	Z	21·2	1	− ·009	·00
5585	9·0	Z	25·9	2	·000	+ ·02
5587	9·0	Z	24·8	1	− ·004	− ·02
5588	9·1	Z	23·9	2	− ·003	− ·03
5589	7·9	G	19·9	3	− ·015	− ·07
		Z	25·9	1	− ·005	− ·08
					− ·014	− ·07
5591	8·6	Z	24·9	3	− ·005	+ ·04
5592	9·0	Z	23·1	1	− ·004	− ·11
5593	8·0	G	20·3	5	− ·006	− ·04
		80	19·1	3	− ·004	− ·03
					− ·005	− ·03
5595	8·8	G	17·8	1	+ ·001	− ·14
		Z	25·1	1	·000	·00
					+ ·001	− ·09
5596	9·4	Z	23·0	1	− ·003	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5598	8·7	G	15·8	2	−0·009	+0·01
		Z	22·9	1	− ·015	+ ·10
					− ·010	+ ·03
5599	9·6	Z	24·0	1	− ·008	+ ·13
5600	8·7	Z	25·9	1	− ·002	+ ·02
5601	8·8	G	16·9	1	+ ·001	− ·02
		Z	23·9	1	− ·001	+ ·08
					·000	+ ·01
5602	7·7	G	22·0	5	− ·006	− ·04
		8o	21·9	3	+ ·001	·00
					− ·004	− ·02
5604	8·8	Z	24·8	1	+ ·004	+ ·02
5605	8·5	G	16·0	3	− ·008	− ·04
		Z	21·0	2	− ·008	+ ·03
					− ·008	− ·02
5606	9·2	Z	22·9	1	− ·012	− ·08
5607	9·4	Z	23·9	1	− ·008	− ·08
5608	7·8	t	59·0	4	− ·008	·00
		G	20·9	4	− ·005	− ·05
		8o	21·9	3	− ·003	·00
					− ·007	− ·01
5609	8·8	G	17·9	3	− ·005	− ·02
		Z	23·9	2	·000	·00
		Ms	15·0	5	− ·007	+ ·01
					− ·004	·00
5610	7·3	t	60·0	3	+ ·001	+ ·01
		G	22·9	5	− ·006	− ·07
		8o	20·9	3	− ·004	·00
					− ·002	·00
5611	8·0	Z	24·2	3	− ·002	+ ·01
5613	8·5	Z	21·0	2	− ·010	− ·04
5614	9·2	Z	23·0	1	− ·009	·00
5615	8·5	G	21·8	4	− ·008	− ·08
		8o	21·9	3	− ·002	− ·08
					− ·005	− ·08
5616	8·5	Z	24·9	1	− ·001	− ·04
5617	8·7	G	18·9	3	− ·008	− ·07
		Z	23·9	1	− ·006	+ ·07
					− ·008	− ·04
5618	7·0	t	58·5	3:2	+ ·003	− ·07
		G	22·5	4	− ·002	− ·10
		Ms	29·4	5	+ ·001	− ·06
		8o	19·6	4	− ·001	− ·08
					+ ·001	− ·07
5619	8·8	Z	23·8	2	− ·002	− ·05
5620	8·9	G	18·9	3	− ·004	− ·01
		Z	23·9	1	+ ·007	+ ·01
					− ·002	− ·01
5621	8·5	Z	21·5	1	− ·011	− ·04
5622	9·8	Z	23·8	1	− ·013	+ ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5623	9·1	Z	23·8	2	0·000	+0·04
5624	8·5	G	18·8	3	− ·001	− ·04
		Z	23·0	1	− ·001	− ·02
					− ·001	− ·04
5625	7·5	G	22·7	5	− ·008	+ ·01
		8o	23·0	3	− ·003	− ·01
					− ·006	·00
5626	9·0	G	18·9	2	− ·008	− ·05
		Z	25·3	3	− ·006	− ·04
					− ·007	− ·05
5627	9·3	Z	23·0	1	− ·013	+ ·06
5628	9·0	Z	21·0	1	− ·012	+ ·04
5629	9·3	G	18·8	2	− ·004	− ·02
5630	8·0	G	16·2	3	− ·002	− ·17
		Z	21·2	2	− ·005	− ·08
					− ·003	− ·14
5631	5·0	t	63·2:63·7	3	·000	− ·09
		4o	57·9:58·3	2:1	− ·002	− ·06
		5o	45·8:47·5	2	− ·001	·00
		G	22·9	6	− ·007	− ·06
		8o	19·8	3	− ·009	− ·04
		m	17·9	3	− ·011	·00
					− ·003	− ·05
5633	8·7	Z	21·8	1	·000	+ ·11
5634	9·0	Z	22·0	1	− 004	+ ·01
5635	8·0	G	16·5	3	− ·005	− ·02
		Z	23·6	1	− ·005	− ·10
					− ·005	− ·04
5636	7·5	G	20·6	4	− ·001	·00
		8o	19·5	3	− ·006	+ ·01
					− ·003	+ ·01
5637	9·1	Z	24·0	1	+ ·001	+ ·08
5639	9·3	Z	23·4	2	− ·007	− ·09
5641	9·0	G	18·8	3	− ·002	− ·07
		Z	24·2	3	− ·007	·00
					− ·004	− ·05
5646	8·5	G	18·1	4	− ·002	− ·05
		Z	21·0	1	− ·007	+ ·06
					− ·003	− ·04
5647	4·7	t	63·7:63·5	2	− ·015	+ ·07
		4o	56·6:58·0	3:6	− ·018	+ ·06
		5o	44·6:46·6	2:1	− ·017	+ ·05
		6o	36·6	1	− ·006	+ ·04
		65	29·6	3:5	− ·012	+ ·01
		G	22·5	4	− ·021	+ ·03
		Ms	16·7	5	− ·016	+ ·01
		8o	19·7	3	− ·016	− ·02
		90	1·5	1:3	− ·039	− ·58
					− ·016	+ ·05
5649	7·4	G	22·1	5	+ ·001	− ·04
		8o	21·9	3	·000	− ·02
					+ ·001	− ·03
5650	8·5	G	18·9	2:3	− ·007	− ·10
		Z	23·9	2	− ·004	·00
					− ·006	− ·07
5652	9·1	Z	22·9	1	− ·005	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5653	8·5	G	18·9	3	−0·005	−0·04
		Z	24·6	3	− ·005	+ ·04
					− ·005	− ·01
5654	9·3	Z	23·9	1	+ ·003	+ ·02
5655	8·9	Z	23·9	1	− ·001	+ ·10
5656	9·0	Z	23·9	2	− ·002	− ·02
5657	8·8	Z	23·9	1	− ·009	+ ·09
5658	8·5	Z	21·0	2	− ·006	+ ·02
5660	8·0	G	17·8	3	− ·004	− ·06
		Z	23·9	1	+ ·004	+ ·01
		Ms	15·0	5	− ·006	− ·01
					− ·003	− ·03
5661	7·9	G	17·8	1	·000	+ ·01
		Z	22·8	1	− ·003	+ ·01
					− ·001	+ ·01
5662	8·5	G	16·5	1	− ·005	− ·01
		8o	19·6	3	− ·003	− ·03
					− ·003	− ·03
5663	8·5	G	18·9	4	− ·008	·00
		Z	21·9	1	− ·009	+ ·04
					− ·008	·00
5665	8·0	Z	21·0	2	− ·010	− ·02
5666	5·2	t	61·0:63·5	5:4	− ·020	− ·27
		4o	60·9:62·2	6:15	− ·018	− ·26
		5o	45·8:47·8	2:1	− ·020	− ·24
		6o	37·8	2	− ·018	− ·28
		65	30·9	4	− ·021	− ·27
		G	18·2:18·0	16:17	− 024	− ·29
		Ms	19·0	5	− ·024	− ·26
		8o	20 8	3	− ·021	− ·25
		85	13·9	6	− ·021	− ·25
		90	7·8	6	− ·011	− ·18
					− ·020	− ·26
5667	9·3	Z	23·9	1	+ ·006	+ ·08
5669	8·5	G	22·0	4	− ·003	·00
		8o	22·0	3	− ·003	+ ·02
					− ·003	+ ·01
5670	8·8	Z	24·0	1	·000	+ ·08
5671	7·0	t	60·1	2	− ·011	− ·06
		G	22·5	5	− ·007	− ·02
		8o	22·9	3	− ·003	·00
					− ·008	− ·04
5672	8·8	Z	23·8	2	− ·006	·00
5673	9·5	Z	21·0	1	− ·028	− ·11
5674	8·0	G	18·8	3	− ·006	+ ·01
		Z	22·8	1	− ·009	+ ·09
					− ·006	+ ·03
5675	8·0	G	18·9	3	− ·002	− ·01
		Z	24·6	3	− ·007	+ ·08
					− ·004	+ ·02
5676	9·0	Z	21·1	1	− ·014	+ ·10

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
5677	9·6	Z	24·0	1	−0·012	−0·13
5678	7·4	5o	47·3:48·4	3:2	− ·003	− ·01
		G	23·9	3	− ·010	− ·03
		8o	23·0	3	− ·002	+ ·04
					− ·004	·00
5679	9·3	Z	22·8	1	− ·007	− ·04
5680	9·0	Z	21·8	1	− ·004	− ·05
5682	8·8	Z	23·9	1	+ ·005	+ ·04
5683	9·1	Z	22·8	3	− ·004	+ ·03
5685	7·5	G	17·2	4	− ·004	− ·08
		Z	23·0	1	+ ·003	+ ·01
					− ·003	− ·07
5686	9·0	Z	23·9	1	+ ·005	− ·04
5687	8·7	G	17·9	3	− ·003	− ·04
		Z	23·0	1	(− ·026)	− ·11
					− ·003	− ·05
5688	8.6	Z	23·9	2	− ·005	+ ·02
5689	8·7	Z	22·9	1	− ·010	− ·09
5690	8·5	Z	23·0	2	·000	+ ·07
5691	9·2	Z	23·9	2	− ·003	+ ·10
5692	8·0	Z	21·0	1	− ·004	+ ·06
5693	7·5	t	59·2	4	− ·004	− ·05
		G	22·9	4	− ·003	− ·05
		8o	23·0	3	+ ·002	·00
					− ·003	− ·04
5694	8·0	Z	24·0	1	− ·008	+ ·02
5696	8·0	G	18·4	4	− ·007	− ·04
		Z	23·4	1	+ ·002	− ·01
					− ·006	− ·04
5697	7·2	t	59·8	1	− ·010	− ·01
		G	24·9	4	− ·008	− ·09
		8o	22·9	3	− ·002	·00
					− ·007	− ·02
5698	9·0	Z	22·8	1	− ·006	− ·04
5699	8·5	G	17·8	2	− ·002	+ ·01
		Z	22·8	1	− ·002	+ ·03
					− ·002	+ ·01
5700	8·8	Z	23·9	1	− ·019	+ ·05
5701	8·3	Z	22·0	1	+ ·006	− ·03
5702	8·5	G	18·5	4	− ·018	− ·20
		Z	21·6	1	− ·019	− ·15
					− ·018	− ·19
5703	9·1	Z	23·0	2	·000	− ·06
5704	8·7	Z	23·8	3	− ·015	+ ·04
5706	7·5	G	20·1	3	·000	− ·19
		8o	19·2	3	− ·004	− ·14
					− ·002	− ·15
5707	7·1	G	23·3	6	−0·009	−0·07
		8o	22·9	3	− ·004	+ ·01
					− ·007	− ·03
5709	8·8	Z	24·2	3	·000	− ·03
5710	7·5	G	20·2	4	− ·012	− ·08
		Z	24·0	1	− ·014	+ ·06
					− ·012	− ·06
5711	8·0	Z	22·0	2	− ·003	− ·05
5712	8·5	G	17·0	3	− ·001	− ·03
		Z	22·1	3	− ·009	− ·06
					− ·004	− ·04
5713	8·8	Z	22·0	1	− ·011	+ ·05
5714	8·3	G	20·9	2:3	− ·009	− ·03
		Z	24·0	1	− ·018	− ·11
					− ·011	− ·05
5716	8·9	Z	22·8	2	− ·016	+ ·04
5717	8·0	Z	22·9	1	− ·012	− ·11
5718	8·0	G	20·4	5	− ·002	− ·03
		8o	19·3	3	− ·008	− ·10
					− ·004	− ·07
5720	8·7	Z	22·9	2	− ·001	+ ·02
5722	9·0	Z	23·9	1	− ·013	+ ·08
5723	7·5	t	59·7	2	+ ·005	− ·05
		4o	61·9	4	+ ·002	...
		5o	45·8:47·8	2:1	+ ·003	− ·02
		G	23·9	4	− ·002	− ·06
		Ms	15·9	5	+ ·001	− ·02
		8o	21·8	3	+ ·009	− ·02
					+ ·003	− ·04
5724	9·2	G	18·2	4	·000	− ·06
		Z	23·9	2	− ·005	− ·02
					− ·001	− ·05
5725	9·5	Z	23·9	1	− ·011	·00
5726	8·8	Z	22·8	1	− ·015	+ ·35
5727	8·8	Z	21·0	2	− ·011	+ ·01
5728	7·3	5o	45·9:48·2	2:1	− ·013	− ·04
		G	23·8	5	− ·014	− ·01
		8o	21·9	4	− ·012	− ·03
					− ·013	− ·03
5729	7·7	G	18·8	3	− ·006	− ·01
		Z	24·5	3	− ·001	·00
					− ·004	− ·01
5730	8·9	Z	24·3	3	− ·001	− ·02
5731	8·1	Z	21·7	2	− ·004	·00
		9o	3·6	3	+ ·017	+ ·19
					− ·004	·00
5732	8·0	G	22·9	3	·000	− ·01
		8o	23·0	3	− ·003	+ ·04
					− ·001	+ ·03
5733	9·0	Z	22·0	1	− ·004	+ ·02
5734	8·0	4o	60·4	2	...	−0·03
		G	16·5	3	−0·014	− ·05
		Z	21·5	1	− ·009	+ ·04
					− ·013	− ·03
5735	7·3	5o	46·9:48·4	2	+ ·001	− ·02
		65	31·0	1	+ ·001	+ ·03
		G	24·9	4	− ·007	+ ·02
		8o	23·0	3	− ·003	+ ·01
					− ·001	·00
5736	8·2	G	19·0	3	+ ·001	− ·02
5737	9·0	Z	23·9	1	− ·001	− ·02
5738	8·5	Z	24·0	1	+ ·002	+ ·06
5739	9·0	Z	23·2	1	− ·007	− ·03
5740	9·1	Z	22·7	1	− ·002	+ ·01
5741	9·3	Z	21·3	1	− ·002	− ·03
5742	8·8	Z	22·9	3	− ·009	− ·07
5743	8·0	G	19·8	3	− ·004	− ·05
		Z	24·5	3	− ·005	− ·03
					− ·004	− ·04
5744	9·1	Z	23·9	2	− ·005	− ·06
5745	9·3	Z	21·8	1	− ·011	− ·01
5746	9·4	G	17·8	1	+ ·004	+ ·06
		Z	22·7	1	− ·014	·00
					− ·002	+ ·04
5748	8·0	G	20·5	4	+ ·003	− ·04
		Z	23·9	1	+ ·003	·00
					+ ·003	− ·04
5749	8·5	G	22·8	4	− ·005	− ·02
		8o	22·0	3	+ ·002	·00
					− ·001	− ·01
5752	8·1	G	18·9	4	− ·006	+ ·01
		Z	23·9	2	− ·003	+ ·03
					− ·005	+ ·01
5753	7·3	G	21·8	4	− ·002	− ·06
		8o	21·0	3	− ·010	− ·08
					− ·006	− ·07
5754	7·0	t	57·2	1	− ·007	− ·02
		G	20·7:20·6	7:8	− ·005	− ·03
		8o	19·3	3	− ·010	− ·08
					− ·007	− ·04
5755	8·5	Z	21·6	1	+ ·001	− ·03
5756	8·8	Z	22·9	1	− ·006	+ ·03
5757	9·0	Z	23·9	1	− ·005	− ·03
5758	7·5	G	17·3	3	− ·008	− ·05
		Z	21·4	1	− ·005	+ ·06
					− ·008	− ·03
5759	8·5	Z	22·8	1	− ·007	·00
5760	9·0	Z	21·6	1	− ·006	− ·06
5761	8·5	Z	24·9	2	− ·008	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
5762	9·2	Z	22·9	1	−0·011	−0·05
5764	9·5	Z	23·6	1	− ·010	+ ·03
5765	6·8	50	46·0:48·2	2	− ·012	− ·12
		G	22·3	5	− ·018	− ·09
		80	22·0	3	− ·013	− ·08
					− ·015	− ·10
5766	8·4	Z	21·4	1	− ·007	− ·01
5767	9·3	Z	22·8	1	− ·083	− ·11
5768	8·5	Z	21·4	1	− ·008	− ·08
5769	8·6	Z	24·0	1	− ·010	·00
5770	8·0	G	16·4	1	− ·025	− ·25
		Z	21·4	1	− ·028	− ·20
					− ·026	− ·23
5771	7·8	40	61·9	2	...	(− ·18)
		G	19·5	4	− ·001	− ·02
		80	20·8	3	·000	− ·02
					·000	− ·02
5772	7·0	t	58·2	2	− ·006	− ·04
		G	20·8	4	− ·009	− ·09
		Ms	14·4	4	− ·009	− ·21
		80	19·2	3	− ·010	− ·02
					− ·008	− ·06
5773	8·0	G	18·2	4	− ·006	− ·03
		Z	22·0	1	− ·001	·00
					− ·005	− ·03
5774	8·9	Z	23·9	1	·000	·00
5775	8·0	G	19·4	5	− ·003	− ·02
		80	19·2	2	− ·001	− ·04
					− ·003	− ·03
5776	8·7	Z	23·9	1	− ·005	− ·02
5777	9·4	Z	23·0	1	− ·014	− ·12
5778	9·5	Z	23·9	1	− ·005	− ·01
5779	5·5	t	58·1	2	− ·001	− ·02
		40	59·2	3	− ·006	...
		50	44·0:45·5	2	− ·006	− ·02
		G	21·9	4	− ·012	− ·04
		80	18·9	3	− ·007	− ·03
					− ·006	− ·02
5781	8·0	G	20·0	3	− ·004	− ·10
		Z	22·8	3	− ·005	− ·06
					− ·004	− ·09
5782	8·7	Z	24·9	2	− ·012	− ·08
5783	8·3	Z	24·6	3	− ·010	− ·02
5784	8·8	G	17·9	3	− ·009	·00
		Z	23·9	2	− ·003	+ ·02
					− ·008	+ ·01
5785	7·0	G	15·9	2	− ·003	− ·03
		Z	21·1	1	− ·006	− ·07
					− ·004	− ·04
5786	7·5	G	17·9	1	− ·018	− ·14
		Z	23·6	4	− ·019	− ·08
					− ·019	− 10
5787	8·2	Z	22·9	1	+0·002	+0·01
5788	8·8	Z	23·0	1	− ·015	− ·18
5789	9·5	Z	21·4	1	− ·010	+ ·02
5790	8·4	G	18·8	3	− ·004	+ ·03
		Z	23·9	2	− ·005	·00
					− ·004	+ ·02
5791	9·0	Z	23·0	1	− ·003	− ·01
5792	8·8	G	17·7	1	− ·008	+ ·02
		Z	22·7	2	− ·011	− ·03
					− ·009	·00
5793	7·0	t	57·3	2	− ·007	− ·16
		G	21·0	4	− ·004	− ·17
		80	19·1	3	+ ·003	− ·20
					− ·004	− ·17
5794	9·3	Z	25·0	1	− ·028	− ·19
5795	9·0	Z	22·8	1	− ·006	− ·05
5797	9·2	Z	23·9	2	− ·005	− ·08
5798	7·5	G	22·0	5	− ·005	− ·11
		80	20·0	3	− ·009	− ·03
					− ·006	− ·06
5799	8·0	G	22·9	4	− ·003	− ·03
		80	23·0	3	+ ·003	+ ·02
					·000	·00
5800	8·7	Z	22·8	2	− ·011	·00
5801	9·1	Z	23·8	1	− ·011	− ·05
5802	9·1	Z	24·0	1	− ·002	+ ·01
5803	8·0	G	16·9	3	− ·005	− ·07
		Z	21·0	1	− ·003	− ·03
					− ·005	− ·06
5804	7·3	t	61·1	2	− ·002	·00
		G	22·9	4	− ·005	− ·05
		80	23·0	3	+ ·001	+ ·02
					− ·002	·00
5805	9·2	G	17·7	3	+ ·001	·00
		Z	22·7	2	+ ·001	+ ·06
					+ ·001	+ ·02
5807	8·5	Z	23·0	1	− ·010	− ·08
5808	8·5	Z	21·8	2	− ·013	− ·04
5809	8·6	Z	24·9	2	− ·007	− ·04
5810	9·3	Z	23·8	1	− ·002	− ·14
5812	9·0	Z	23·9	2	− ·004	− ·04
5813	7·7	Z	22·7	1	− ·003	− ·01
5814	8·5	Z	21·1	1	− ·006	− ·12
5815	9·5	Z	21·1	1	− ·009	− ·06
5816	5·0	t	65·9:66·3	4:9	+0·003	+0·01
		40	62·2:62·4	8:6	− ·001	+ ·01
		50	45·8:47·2	2:3	− ·003	+ ·05
		60	38·0	1	...	+ ·01
		65	30·8	1:2	− ·004	+ ·03
		M	27·9	3	− ·001	·00
		G	23·8	5:4	− ·005	+ ·05
		Ms	19·1	5	− ·011	− ·03
		80	21·0	3	+ ·007	+ ·05
		90	8·3	11	+ ·004	+ ·10
					− ·001	+ ·02
5817	8·7	Z	23·9	2	+ ·004	·00
5818	9·5	Z	24·9	1	− ·008	− ·01
5819	9·3	Z	22·7	1	− ·005	+ ·11
5820	8·8	Z	22·9	2	− ·003	·00
5822	7·0	t	60·9	2	+ ·002	− ·04
		40	59·0	1	·000	...
		50	46·9:49·2	2:3	− ·001	− ·03
		G	24·9	5:6	− ·005	− ·04
		80	23·0	3	+ ·002	− ·04
					− ·001	− ·04
5823	7·5	G	20·0	4	− ·001	− ·02
		80	18·9	3	− ·002	+ ·01
					− ·001	·00
5824	8·6	G	17·9	3	− ·003	− ·02
		Z	23·0	1	− ·012	− ·13
					− ·004	− ·04
5825	9·5	Z	21·1	1	− ·001	− ·17
5826	9·0	Z	24·5	3	− ·005	+ ·03
5827	7·3	t	58·9	1	− ·005	− ·09
		G	22·8	4	− ·009	− ·09
		80	21·9	3	·000	− ·01
					− ·005	− ·06
5828	8·8	Z	21·8	1	− ·006	− ·01
5829	8·4	Z	24·0	1	− ·003	+ ·05
5830	8·3	G	18·8	3	− ·004	+ ·01
		Z	23·4	4	− ·002	+ ·02
					− ·003	+ ·01
5831	9·0	Z	21·8	1	− ·004	− ·12
5832	9·2	Z	25·0	1	− ·002	− ·06
5833	9·0	Z	21·1	2	− ·005	− ·03
5834	9·5	Z	23·9	1	− ·008	·00
5835	8·8	G	18·7	3	− ·008	− ·02
		Z	23·8	2	− ·007	− ·01
					− ·008	− ·02
5836	8·0	Z	24·9	2	− ·009	− ·04
5837	8·7	Z	23·0	1	− ·019	− ·12
5838	8·5	Z	22·8	3	− ·001	− ·03
5840	8·0	Z	23·0	1	+ ·097	− ·05
5841	9·0	Z	22·9	2	− ·010	− ·07

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5842	8·6	Z	23·9	1	0·000	−0·05
5843	7·0	t	60·9	2	− ·002	+ ·01
		G	21·3	4	− ·006	− ·04
		80	22·9	4	− ·001	− ·01
					− ·003	·00
5844	9·3	Z	22·8	3	− ·004	− ·01
5845	9·0	Z	21·0	1	− ·017	− ·09
5846	6·5	t	60·1:60·8	4:5	− ·011	− ·14
		40	56·0:56·1	2:1	− ·013	− ·13
		50	44·0:46·0	2:1	− ·001	− ·13
		G	22·1	4	− ·015	− ·14
		80	19·1	3	− ·016	− ·15
					− ·012	− ·14
5847	9·5	Z	21·4	1	− ·014	− ·07
5848	8·5	G	18·8	3	− ·004	− ·04
		Z	23·9	1	− ·003	− ·05
					− ·004	− ·04
5849	8·0	G	16·1	3	·000	− ·02
		Z	21·1	2	− ·005	− ·08
					− ·001	− ·04
5850	9·6	G	15·8	2	+ ·002	+ ·01
		Z	22·8	1	− ·009	·00
					− ·001	+ ·01
5851	9·5	Z	22·9	1	− ·009	− ·04
5852	8·2	G	18·8	3	− ·001	− ·03
		Z	23·9	2	− ·005	− ·05
					− ·002	− ·04
5853	7·4	t	61·1	2	− ·008	− ·01
		G	24·1:24·2	6:7	− ·008	− ·06
		80	23·0	3	− ·002	− ·01
		90	7·8	6	+ ·009	− ·06
					− ·007	− ·02
5854	8·4	Z	23·9	2	− ·006	− ·01
5855	9·0	Z	23·9	1	− ·012	+ ·02
5856	9·0	Z	22·9	1	+ ·002	·00
5857	7·5	G	16·1	3	·000	− ·06
		Z	23·0	1	+ ·003	− ·08
		Ms	13·7	5	− ·001	− ·11
					·000	− ·08
5858	8·1	Z	23·9	1	− ·006	− ·06
5859	9·3	Z	21·1	2	− ·005	·00
5861	9·3	Z	22·9	1	− ·008	− ·12
5863	8·2	G	22·9	4	− ·009	− ·09
		80	21·9	3	− ·002	·00
					− ·005	− ·04
5864	9·5	Z	21·6	1	− ·003	− ·05
5865	8·3	Z	22·9	1	− ·021	− ·13
5866	8·4	Z	23·9	1	− 005	·00
5867	9·5	Z	22·0	2	− 009	− ·02
5868	8·5	Z	21·5:21·6	1	·000	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5869	9·3	Z	24·0	1	−0·010	+0·03
5870	8·3	G	21·9	4	− ·003	− ·06
		Ma	15·6	5	− ·004	− ·19
		80	21·9	3	− ·008	− ·02
					− ·005	− ·06
5871	7·5	t	58·4	2	− ·005	− ·04
		G	23·1	7	− ·008	− ·02
		80	19·8	3	− ·004	− ·01
					− ·006	− ·03
5873	9·4	Z	24·9	1	− ·012	+ ·09
5874	8·0	G	17·9	3	− ·003	− ·09
		Z	22·9	2	− ·005	− ·12
					− ·003	− ·10
5875	10·0	Z	23·8	1	·000	− ·10
5877	9·5	Z	22·9	1	− ·006	+ ·04
5878	8·5	Z	24·0	1	− ·008	− ·01
5879	8·5	Z	21·4	1	− ·006	+ ·01
5880	8·2	Z	23·9	1	− ·006	− ·04
5881	9·0	G	16·7	3	− ·003	− ·04
		Z	23·8	2	− ·001	− ·05
					− ·003	− ·04
5882	8·5	Z	24·9	2	− ·007	− ·02
5883	8·8	Z	22·8	1	+ ·001	+ ·04
5884	9·0	Z	21·3	1	− ·013	+ ·04
5885	8·4	50	46·9:47·9	2:1	− ·004	+ ·03
		G	20·9	4	− ·005	− ·02
		Z	24·0	1	− ·001	·00
					− ·004	+ ·02
5887	9·1	Z	24·0	2	− ·006	− ·11
5888	6·0	t	61·0:61·7	1:4	+ ·005	− ·03
		40	56·0:55·9	3:1	− ·003	− ·01
		50	44·0:45·6	2	− ·002	− ·01
		G	21·9	4	− ·005	− ·01
		Ms	17·7	5	+ ·003	− ·02
		80	19·1	3	− ·006	− ·05
		90	1·0	2:3	+ ·069	− ·59
					− ·002	− ·02
5889	9·0	G	21·5	5	− ·008	− ·11
		Z	21·4	1	− ·010	− ·08
		Ms	14·4	5	− ·003	− ·10
					− ·008	− ·10
5890	9·0	Z	23·0	2	− ·005	− ·05
5892	8·0	G	17·7	1	− ·007	+ ·02
		Z	22·7	1	− ·009	− ·13
					− ·008	− ·03
5893	8·8	Z	24·6	3	− ·005	+ ·02
5895	9·0	Z	21·0	1	+ ·003	·00
5896	9·2	Z	23·0	1	− ·012	− ·09
5897	9·3	G	18·9	3	− ·008	− ·03
		Z	24·0	2	− ·008	− ·09
					− ·008	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ
			y		s	″
5898	8·4	Z	22·9	3	−0·008	−0·03
5899	7·3	t	58·8	1	− ·008	− ·03
		40	57·8	2	− ·003	...
		50	45·8:47·4	2	− ·002	− ·05
		M	30·8:31·5	3:4	− ·003	− ·03
		G	21·8	4	− ·002	− ·02
		80	21·8	3	·000	+ ·01
					− ·003	− ·03
5900	9·0	Z	21·4	1	− ·006	− ·11
5901	7·5	G	24·9	5	− ·006	− ·03
		80	20·9	3	− ·004	+ ·01
					− ·005	− ·01
5903	8·3	G	18·9	3	− ·001	− ·05
		Z	23·9	2	− ·003	− ·03
					− ·001	− ·04
5904	8·0	t	58·0	3	− ·004	− ·06
		G	21·0	4	− ·005	− ·10
		80	19·0	2	− ·002	− ·02
					− ·004	− ·06
5905	6·0	t	61·1	2	+ ·001	− ·03
		40	58·9	2:1	− ·002	− ·04
		50	46·9:48·5	2	− ·003	− ·04
		G	24·9	4	− ·009	− ·05
		80	22·9	3	+ ·002	− ·03
		m	18·9	3	− ·003	− ·02
					− ·002	− ·03
5907	6·5	t	58·0	2	− ·010	− ·05
		40	61·0	2	...	− ·03
		50	44·8:46·4	2	− ·006	− ·02
		G	22·7	4	− ·008	·00
		80	19·4	3	− ·008	− ·06
					− ·008	− ·03
5908	8·4	Z	23·9	2	− ·010	+ ·04
5909	9·0	Z	21·6	1	− ·004	− ·05
5910	9·3	Z	22·0	1	− ·012	− ·03
5913	8·5	G	17·1	3	·000	− ·01
		Z	22·5	3	− ·002	− ·03
					− ·001	− ·02
5914	8·8	Z	22·9	1	+ ·003	− ·04
5918	7·7	G	22·9	5	+ ·001	− ·07
		80	23·0	3	+ ·003	− ·03
					+ ·002	− ·05
5919	7·9	G	23·8	4	− ·005	− ·02
		80	20·9	2	− ·003	− ·01
					− ·004	− ·01
5920	7·1	t	59·1	2	− ·007	+ ·02
		G	23·8	3	− ·006	− ·02
		80	22·0	3	+ ·003	+ ·02
					− ·004	+ ·02
5922	8·3	Z	22·8	1	− ·006	− ·10
5923	9·0	Z	21·1	1	− ·006	·00
5924	7·5	G	20·1	4	− ·005	− ·04
		Z	23·9	1	− ·001	− ·08
					− ·004	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
5925	8·3	Z	23·0	2	−0·004	0·00
5926	9·3	Z	23·9	1	− ·006	+ ·12
5927	8·6	Z	22·9	1	− ·003	− ·03
5928	9·3	Z	21·8	1	− ·007	+ ·28
5930	8·3	G	17·7	2	− ·003	+ ·11
		Z	22·7	1	− ·003	− ·08
					− ·003	+ ·07
5931	8·1	Z	23·9	2	− ·003	+ ·03
5932	9·0	Z	21·3	1	− ·001	− ·03
		Ms	13·6	5	+ ·004	− ·08
					+ ·002	− ·07
5934	7·7	t	58·8	1	− ·010	− ·04
		G	21·4	5	− ·008	− ·01
		8o	21·9	3	− ·010	− ·01
					− ·009	− ·02
5937	9·0	Z	24·0	2	− ·010	·00
5938	8·0	G	17·4	3	− ·002	− ·03
		Z	23·5	1	+ ·004	− ·03
					− ·001	− ·03
5939	9·4	Z	23·9	1	+ ·003	− ·02
5941	8·5	Z	21·1	2	− ·001	− ·01
5942	9·3	Z	22·0	1	− ·005	− ·01
5943	8·4	G	20·6	4	− ·004	+ ·02
		8o	20·7	3	− ·006	+ ·04
					− ·005	+ ·03
5944	8·3	Z	22·9	1	− ·002	− ·06
5945	9·0	Z	24·0	1	− ·014	− ·08
5946	8·2	G	20·3	5	− ·008	·00
		Z	23·9	2	− ·003	− ·05
					− ·007	− ·01
5947	8·5	G	16·9	3	·000	− ·06
		Z	23·0	2	− ·005	− ·08
					− ·001	− ·06
5948	9·4	Z	22·7	1	− ·003	+ ·11
5949	9·0	Z	21·1	1	− ·008	− ·01
5950	9·3	Z	21·6	1	− ·002	− ·06
5952	9·3	Z	22·9	1	− ·018	− ·03
5953	9·5	Z	21·3	1	− ·016	− ·03
5954	7·5	G	23·0:22·9	5:6	− ·014	− ·04
		8o	22·9	3	− ·003	− ·02
					− ·010	− ·03
5955	9·1	Z	24·0	1	− ·007	− ·06
5956	7·8	G	16·8	3	− ·003	·00
		Z	23·8	2	− ·006	·00
					− ·004	·00
5957	8·1	G	18·8	3	− ·002	+ ·07
		Z	24·6	3	− ·003	+ ·04
					− ·002	+ ·06
5959	9·2	G	17·7	3	−0·009	+0·09
		Z	24·1	3	− ·014	+ ·05
					− ·011	+ ·08
5960	8·2	Z	22·8	2	− ·010	+ ·04
5961	8·4	Z	23·9	1	·000	+ ·03
5962	9·4	Z	23·9	1	+ ·002	+ ·10
5963	7·5	G	16·1	3	− ·005	− ·02
		Z	21·2	1	− ·007	+ ·02
					− ·005	− ·01
5965	6·0	G	22·9	4	− ·002	− ·04
		8o	19·9	3	− ·003	+ ·04
		90	1·9	2:3	+ ·031	− ·46
					− ·002	+ ·01
5966	8·5	Z	22·0	1	− ·009	+ ·06
5967	8·5	G	18·6	3	− ·004	− ·04
		Z	23·7	2	− ·004	·00
					− ·004	− ·03
5968	9·5	Z	22·0	1	− ·008	− ·05
5969	9·8	Z	21·9	1	− ·068	+ ·71
5970	8·9	Z	23·9	2	+ ·003	+ ·03
5971	9·3	G	17·6	3	− ·008	+ ·05
		Z	23·7	2	− ·009	− ·03
					− ·008	+ ·02
5972	8·3	Z	22·9	1	− ·006	+ ·10
5973	9·0	Z	21·1	1	− ·013	− ·06
5974	9·3	G	18·8	3	− ·006	+ ·01
		Z	22·9	1	·000	+ ·01
					− ·005	+ ·01
5975	7·5	G	23·9	5	− ·007	− ·03
		8o	22·0	3	− ·001	+ ·03
					− ·005	+ ·01
5976	8·5	Z	24·5	3	− ·007	·00
5978	8·0	M	31·8:31·9	3	·000	+ ·01
		G	20·4:20·5	4	+ ·005	− ·02
		8o	19·5:19·6	3	− ·003	− ·04
					·000	− ·01
5980	8·8	Z	23·9	2	+ ·002	− ·08
5981	7·3	t	58·5	6	− ·006	− ·04
		4o	63·0	2	...	− ·01
		G	20·6	7	− ·001	− ·01
		8o	21·9	3	− ·002	+ ·01
					− ·004	− ·02
5982	7·8	G	18·9	3	− ·008	− ·06
		Z	22·9	1	− ·001	+ ·11
					− ·007	− ·03
5984	9·0	Z	23·1	1	− ·002	− ·05
5985	8·8	Z	24·9	1	− ·011	+ ·03
5986	9·4	Z	24·0	1	− ·002	+ ·07
5987	8·5	Z	23·4	1	·000	− ·06
5988	7·8	t	59·9	1	−0·008	−0·02
		G	22·9	4	− ·002	+ ·05
		8o	23·0	4	+ ·002	+ ·01
					− ·003	+ ·01
5989	8·3	G	17·8	3	− ·004	− ·05
		Z	22·8	1	− ·004	+ ·08
					− ·004	− ·02
5991	8·5	Z	21·3	1	·000	+ ·03
5992	8·3	t	57·9	1	− ·008	− ·05
		G	20·4	8	− ·008	− ·03
		Ms	22·1	5	− ·001	+ ·05
		8o	19·6	3	− ·002	+ ·03
					− ·006	− ·01
5993	8·8	Z	23·1	3	− ·001	+ ·03
		Ms	25·4	5	− ·007	·00
					− ·005	+ ·01
5994	8·9	Z	24·5	3	·000	− ·05
5995	9·0	Z	23·9	1	+ ·001	− ·01
5996	6·0	t	61·5:61·7	3	− ·005	− ·06
		4o	56·4:56·6	1:3	− ·002	− ·03
		5o	45·3:46·0	2	+ ·001	− ·01
		M	30·0	3	− ·002	− ·01
		G	21·3	4	− ·005	− ·05
		8o	19·4	3	− ·004	·00
					− ·003	− ·03
5998	9·4	Z	23·9	2	− ·004	+ ·01
5999	8·8	Z	22·9	1	− ·006	− ·01
6000	8·5	Z	23·9	3	− ·005	− ·02
6001	8·0	G	19·9	4	− ·006	− ·05
		Z	22·7	1	− ·002	− ·05
					− ·005	− ·05
6003	8·8	Z	22·0	3	− ·006	− ·03
6005	9·0	Z	22·9	2	− ·009	+ ·02
6006	9·5	Z	24·0	1	·000	− ·07
6008	8·3	Z	24·9	2	+ ·006	− ·14
6009	7·8	G	22·9	4	+ ·003	− ·02
		8o	23·0	3	+ ·006	− ·02
					+ ·004	− ·02
6010	9·0	Z	22·9	1	− ·002	+ ·07
6011	8·1	G	17·8	3	− ·001	+ ·01
		Z	23·6	3	− ·003	− ·04
					− ·002	− ·01
6012	9·5	Z	23·0	3	− ·002	− ·04
6013	9·0	Z	24·0	1	− ·003	·00
6014	7·5	t	59·2:59·6	6:5	− ·003	− ·01
		5o	46·9	2	+ ·002	...
		G	22·8	4	− ·002	− ·04
		8o	22·9	3	− ·001	− ·02
					− ·002	− ·01
6015	8·2	G	19·7	3:4	− ·004	− ·08
		Z	22·7	1	·000	− ·07
					− ·003	− ·08

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
6017	8·0	t	60·9	2	−0·005	0·00
		G	22·5	5	− ·005	− ·05
		80	22·9	3	− ·004	+ ·02
					− ·005	·00
6018	7·3	t	59·6	3	− ·004	− ·01
		G	21·6	5	− ·002	− ·02
		80	21·9	3	− ·004	+ ·03
					− ·003	·00
6020	9·2	Z	22·9	1	− ·014	+ ·03
6021	8·0	G	22·2:22·3	3:2	− ·001	+ ·02
		Z	22·8	2	− ·007	− ·04
					− ·002	·00
6022	6·0	t	59·9	1	− ·007	− ·03
		50	48·2	3	...	·00
		G	23·0	4	− ·001	·00
		80	22·9	3	+ ·001	− ·01
					− ·002	− ·01
6023	8·5	Z	21·3:21·4	1	− ·010	− ·01
6024	8·0	G	17·8	3	− ·009	+ ·04
		Z	22·9	2	− ·006	+ ·01
					− ·008	+ ·03
6025	7·5	t	59·8	2	+ ·004	− ·10
		G	23·3	10	− ·001	− ·13
		80	21·2	6	+ ·004	− ·09
		90	8·1:9·0	3:4	+ ·010	·00
					+ ·002	− ·10
6026	8·8	Z	24·0	2	− ·004	− ·02
6027	8·7	G	17·8	3	− ·004	− ·05
		Z	23·7	2	− ·003	− ·03
					− ·004	− ·04
6028	8·5	Z	21·1	1	− ·010	− ·01
6030	9·3	Z	24·0	1	+ ·002	+ ·11
6031	6·9	t	59·9	2	+ ·004	− ·01
		G	22·6:22·9	13:14	− ·004	− ·01
		80	21·8	3	− ·003	+ ·03
					− ·001	·00
6032	8·8	65	35·2	4	− ·002	·00
6033	8·0	G	18·2	4	− ·006	− ·06
		Z	23·9	1	·000	·00
					− ·005	− ·05
6034	9·0	Z	21·4	2	− ·006	− ·01
6035	9·2	G	17·6	1	− ·004	− ·02
		Z	22·7	1	·000	+ ·03
					− ·003	·00
6036	8·6	Z	22·8	2	− ·007	− ·05
6037	9·1	Z	23·9	1	+ ·001	− ·04
6038	9·0	Z	23·0	1	− ·011	+ ·04
6039	8·2	G	18·8	3	− ·002	− ·05
		Z	23·9	2	− ·010	− ·11
		Ms	29·6	5	− ·004	+ ·01
					− ·004	− ·03
6040	9·0	Z	23·5	1	+ ·002	− ·01
6041	7·7	G	17·6	2	−0·009	−0·01
		Z	22·8	1	− ·019	+ ·07
					− ·011	+ ·01
6042	8·2	Z	23·9	2	− ·007	− ·03
6043	8·8	Z	23·9	2	− ·007	+ ·08
6044	6·0	t	61·9:62·1	2:3	− ·003	− ·10
		40	56·7:57·0	3:5	− ·004	− ·04
		50	44·7:46·8	2:1	− ·006	− ·03
		G	21·6:21·7	4	− ·007	− ·03
		80	19·8	3	− ·002	− ·04
					− ·004	− ·06
6045	8·8	Z	22·5	2	+ ·007	− ·07
6046	9·4	G	17·9	3	− ·009	− ·05
6048	9·3	Z	22·8	1	− ·020	+ ·08
6049	8·0	G	16·2	2	·000	+ ·01
		Z	23·2	1	+ ·001	− ·06
					·000	·00
6050	6·8	t	59·9	2	− ·002	− ·03
		G	24·0	4	− ·006	− ·09
		80	21·9	3	− ·004	·00
					− ·003	− ·03
6051	9·4	Z	23·9	1	− ·007	− ·06
6052	9·5	Z	22·9	2	− ·008	− ·01
6053	8·3	Z	24·6	3	− ·004	− ·04
6054	8·8	G	18·6	3	− ·005	− ·14
		Z	22·7	1	− ·002	+ ·03
					− ·005	− ·11
6056	7·9	Z	22·9	1	− ·011	− ·03
6057	8·0	G	21·0	5	− ·002	− ·03
		80	21·9	3	− ·001	+ ·02
					− ·002	·00
6058	8·0	G	15·9	3	− ·002	− ·03
		Z	22·0	2	− ·001	+ ·08
					− ·002	+ ·01
6059	8·5	Z	23·0	2	·000	+ ·07
6060	8·0	Z	21·0	1	− ·004	− ·07
6061	8·0	G	16·3	3	− ·007	− ·05
		Z	23·1	1	− ·004	− ·11
					− ·007	− ·06
6063	9·7	Z	23·9	1	− ·014	− ·01
6064	8·1	Z	23·9	1	− ·004	− ·01
6065	8·1	Z	22·8	2	− ·012	− ·04
6066	7·8	G	17·8	3	− ·016	− ·01
		Z	23·0	1	− ·023	− ·10
					− ·017	− ·03
6067	8·5	Z	22·9	1	·000	− ·03
6068	7·9	Z	23·9	1	+ ·011	·00
6069	8·3	G	17·7	3	−0·001	−0·04
		Z	23·7	2	− ·003	+ ·01
					− ·001	− ·02
6070	7·5	G	16·0	3	− ·004	·00
		Z	23·1	1	+ ·002	− ·05
					− ·003	− ·01
6071	8·3	Z	23·0	1	− ·011	− ·09
6072	8·9	Z	23·9	1	− ·007	+ ·01
6073	8·0	G	23·9	4:5	− ·004	− ·10
		80	22·9	3	− ·001	+ ·01
					− ·002	− ·03
6074	8·5	Z	22·3	2	+ ·001	+ ·01
6075	7·3	G	17·7	4	− ·003	− ·10
		Z	22·0	2	− ·007	− ·06
		Ms	13·9	5	+ ·006	− ·11
					− ·003	− ·10
6078	9·2	Z	22·7	2	− ·004	+ ·04
6079	8·5	Z	24·0	1	+ ·002	·00
6080	8·6	Z	23·8	2	·000	·00
6081	8·6	Z	23·9	1	+ ·008	+ ·12
6082	8·5	Z	21·0	1	− ·007	− ·01
6083	7·5	G	23·3	6	+ ·001	− ·06
		Ms	23·4	5	− ·001	− ·04
		80	22·9	3	+ ·001	− ·07
					·000	− ·06
6084	8·0	Z	21·2	1	+ ·003	+ ·01
6085	8·5	Z	24·0	1	− ·003	·00
6086	8·8	Z	23·9	2	− ·003	− ·05
6087	7·0	t	59·9:60·0	5	− ·002	− ·05
		50	44·0:45·3	2:3	− ·003	− ·01
		G	21·9	4	− ·008	− ·06
		80	18·6	3	− ·011	− ·03
					− ·004	− ·04
6088	6·2	Z	22·9	1	− ·015	− ·13
6089	8·9	Z	22·8	1	− ·008	·00
6090	8·1	t	58·2:59·5	10:11	− ·004	− ·03
		50	44·5	1	− ·003	...
		G	20·1	8	− ·006	·00
		80	19·6	2	− ·003	+ ·01
					− ·004	− ·02
6091	8·2	Z	22·9	1	− ·007	− ·03
6092	8·6	G	17·9	3	− ·007	+ ·03
		Z	24·3	3	− ·008	− ·03
					− ·007	+ ·01
6093	8·5	Z	24·5	3	− ·002	− ·04
6094	8·0	G	16·3	2	·000	+ ·07
		Z	21·4	1	·000	+ ·01
					·000	+ ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
6095	8·2	G	17·6	2	−0·008	+0·07
		Z	22·7	1	− ·004	− ·06
					− ·007	+ ·04
6096	8·6	Z	22·9	1	− ·004	+ ·02
6097	7·0	t	59·9	1	− ·009	− ·04
		G	24·9	4	− ·007	− ·06
		Ms	24·1	5	− ·005	− ·15
		80	23·0	3	+ ·002	− ·03
					− ·005	− ·06
6098	5·5	t	59·7:61·2	4:5	+ ·003	− ·03
		40	56·5:56·3	3	·000	− ·03
		50	44·1:45·8	2	− ·001	+ ·01
		60	36·4	1	− ·003	− ·07
		G	20·5	7	− ·002	− ·05
		Ms	19·2	5	+ ·004	− ·08
		80	19·2	2	+ ·003	− ·01
		85	12·2	5	+ ·006	+ ·01
		90	7·3	9	+ ·024	− ·08
					+ ·001	− ·03
6099	7·9	G	20·9	4	+ ·002	·00
		Z	23·9	1	− ·002	− ·02
					+ ·001	·00
6100	8·8	Z	22·9	2	− ·014	·00
6103	8·5	G	17·9	3	+ ·001	− ·02
		Z	23·9	2	− ·004	− ·06
					·000	− ·03
6105	7·2	t	54·2	1	− ·004	·00
		G	18·2	4	− ·009	− ·06
		Ms	17·3	5	− ·005	− 01
		80	18·1	2	− ·006	+ ·02
					− ·006	− ·01
6106	8·3	Z	23·5	3	− ·006	+ ·02
6108	6·8	t	59·9	1	− ·009	·00
		40	59·0	1	− ·003	...
		50	48·9:48·4	2	− ·001	− ·05
		G	24·4	5	− ·003	− ·04
		80	22·9	3	− ·003	− ·01
					− ·003	− ·03
6109	7·0	t	57·7	3	− ·003	− ·02
		50	44·9:47·1	2:1	− ·005	− ·01
		G	21·9	4	− ·009	− ·05
		80	19·4	2	− ·009	− ·02
					− ·005	− ·02
6110	9·0	Z	23·9	1	− ·008	·00
6111	9·3	65	36·1	5:4	− ·003	·00
		Z	24·9	4	− ·006	− ·02
					− ·003	·00
6112	8·5	Z	22·4	2	− ·006	− ·04
6113	8·7	Z	23·9	1	− ·014	+ ·02
6114	8·4	Z	22·7	1	·000	+ ·02
6115	8·5	G	14·3	2	− ·001	− ·01
		Z	23·4	1	− ·003	− ·04
					− ·001	− ·02
6116	7·0	t	60·7:60·6	3:4	−0·001	−0·04
		50	46·9	2	+ ·001	− ·02
		G	24·9	7:9	− ·002	+ ·02
		80	19·9	4:3	− ·006	− ·02
		m	16·9	3	− ·004	− ·01
					− ·002	− ·02
6117	8·0	Z	23·0	2	− ·001	+ ·07
6119	9·0	Z	24·1	1	− ·004	− ·08
6120	8·5	Z	21·8	1	− ·005	− ·04
		Ms	14·5	5	(+ ·017)	− ·03
					− ·005	− ·03
6122	8·6	G	15·8	2	− ·010	·00
		Z	22·8	2	− ·006	− ·02
					− ·009	− ·01
6123	8·0	G	18·1	3	− ·006	− ·11
		80	19·1	3	+ ·001	+ ·03
					− ·002	·00
6124	8·5	Z	21·2	1	− ·008	− ·03
6125	8·2	Z	23·9	2	− ·007	− ·01
6126	9·0	Z	24·0	1	− ·004	− ·11
6128	8·2	G	17·7	3	− ·002	+ ·03
		Z	22·8	1	− ·005	− ·04
					− ·002	+ ·02
6129	9·3	Z	23·8	1	− ·003	− ·06
6130	8·0	Z	23·9	1	− ·004	+ ·04
6133	7·7	Z	22·8	1	− ·004	− ·09
6134	9·0	Z	24·9	2	− ·006	− ·04
6135	8·0	Z	23·3	4	− ·004	− ·03
6136	8·8	Z	24·0	1	+ ·001	·00
6137	6·5	40	63·1	2	...	− ·10
		G	25·0	4	− ·006	− ·16
		80	22·9	3	− ·002	− ·08
					− ·004	− ·10
6138	7·3	G	19·8	4	− ·005	+ ·01
		80	20·8	3	− ·002	− ·02
		90	6·9	6	+ ·003	+ ·10
					− ·003	− ·01
6139	9·3	Z	23·9	1	− ·007	+ ·03
6140	7·7	G	21·7	4	− ·002	− ·01
		80	21·8	3	− ·004	+ ·01
					− ·003	·00
6141	9·2	Z	23·0	1	− ·018	+ ·02
6142	7·5	G	19·7	5	− ·008	− ·06
		80	19·0	3	− ·003	− ·06
					− ·006	− ·06
6143	8·5	Z	22·7	2	− ·007	− ·06
6144	8·6	G	17·8	3	− ·005	− ·02
6145	8·8	G	17·8	3	−0·008	−0·06
		Z	22·9	2	− ·014	− ·07
					− ·009	− ·06
6146	8·5	Z	21·0	1	− ·005	− ·13
6147	8·8	Z	23·7	1	·000	− ·03
6148	9·0	Z	23·9	1	− ·003	·00
6149	7·8	G	22·9	4	·000	·00
		80	22·8	3	− ·008	+ ·04
					− ·004	+ ·02
6150	8·4	G	17·6	3	− ·004	− ·01
		Z	22·7	2	− ·002	+ ·02
					− ·004	·00
6151	7·4	t	59·9	1	− ·018	+ ·03
		G	22·9	4	+ ·001	+ ·05
		80	22·9	3	+ ·003	+ ·11
					− ·005	+ ·06
6152	8·4	G	17·8	3	− ·002	+ ·04
		Z	22·9	1	− ·007	+ ·03
					− ·003	+ ·04
6154	9·5	Z	23·9	1	− ·001	− ·05
6155	8·5	Z	21·0	1	− ·007	− ·03
6156	9·0	Z	23·9	1	− ·007	− ·05
6157	8·3	Z	23·9	1	+ ·001	·00
6158	7·5	G	22·0	4	+ ·004	− ·23
		80	19·6	3	+ ·005	− ·19
					+ ·004	− ·21
6159	9·3	Z	25·9	1	− ·014	− ·07
6160	7·9	G	20·0	7	− ·002	+ ·02
		80	21·8	3	+ ·001	+ ·03
					− ·001	+ ·02
6162	8·7	G	17·8	3	− ·006	− ·03
		Z	23·9	2	− ·005	− ·13
					− ·006	− ·06
6164	8·5	Z	23·2	2	− ·003	+ ·05
6165	8·8	Z	23·9	1	+ ·004	− ·02
6166	8·8	Z	21·9	1	− ·004	− ·02
6167	9·6	Z	22·9	1	+ ·006	+ ·07
6168	8·6	Z	23·9	2	·000	− ·07
6169	6·5	t	58·2	2	·000	+ ·01
		50	44·2:45·7	2	·000	+ ·03
		G	22·2	4	− ·007	− ·04
		80	19·3	3	·000	− ·01
					− ·001	+ ·01
6170	7·8	G	18·8	3	− ·001	− ·02
		Z	24·2	3	− ·003	− ·06
					− ·002	− ·03
6172	8·0	Z	22·9	1	− ·003	− ·17

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
6173	9·0	Z	21·0	1	−0·011	−0·03
6174	8·9	Z	23·9	1	− ·005	− ·15
6176	7·4	t	58·7	1	− ·016	− ·02
		G	22·7	4	− ·017	− ·01
		8o	21·8	3	− ·009	+ ·02
					− ·014	·00
6178	8·7	Z	23·0	1	− ·008	+ ·04
6180	8·5	G	17·9	3	− ·001	+ ·01
		Z	24·3	3	− ·003	− ·04
					− ·002	− ·01
6181	7·5	5o	46·9:48·8	2:3	− ·003	− ·04
		G	23·9	4	− ·005	− ·08
		8o	22·9	4:3	+ ·003	− ·04
					− ·002	− ·05
6182	8·0	t	57·0	1	− ·008	− ·02
		G	18·0	4	− ·009	− ·06
		8o	19·0	3	− ·002	+ ·02
					− ·006	− ·02
6183	9·0	Z	23·4	1	− ·003	− ·07
6184	9·0	Z	23·9	1	− ·007	− ·04
6185	9·3	Z	22·7	1	+ ·004	+ ·02
6187	8·0	Z	22·9	2	− ·010	− ·03
6188	9·0	Z	21·0	1	− ·015	− ·04
6189	8·5	Z	26·0	1	− ·010	− ·05
6190	7·5	t	60·0	2	− ·006	+ ·02
		G	22·8	4	− ·002	+ ·02
		Ms	30·3	5	− ·004	·00
		8o	21·9	3	·000	− ·02
					− ·004	+ ·01
6191	8·4	G	18·6	3	− ·007	− ·07
		Z	22·7	1	− ·001	− ·07
					− ·006	− ·07
6192	8·0	G	17·7	3	− ·005	− ·05
		Z	22·7	4	− ·004	·00
					− ·005	− ·02
6193	5·8	t	60·1:60·5	7:6	− ·003	− ·07
		4o	57·9	2:5	− ·006	− ·05
		5o	45·7:47·9	2	− ·002	− ·04
		G	23·1:23·6	6:5	− ·011	− ·03
		Ms	18·2	5	− ·010	− ·11
		8o	20·8	4:3	− ·002	− ·02
		m	17·7	3	− ·006	− ·01
		9o	2·7	3	+ ·022	− ·07
					− ·005	− ·05
6194	8·9	Z	23·0	1	− ·015	+ ·02
6195	7·5	G	24·0	4	− ·005	− ·06
		8o	22·9	3	·000	+ ·02
					− ·002	− ·01
6196	8·1	G	17·9	3	− ·004	− ·01
		Z	23·9	2	− ·003	− ·05
					− ·004	− ·02
6197	7·5	G	21·4	4	−0·007	−0·07
		Ms	13·7	5	+ ·003	+ ·04
		8o	19·6	3	+ ·002	− ·05
					− ·002	− ·04
6198	9·3	Z	23·6	2	− ·004	− ·03
6199	6·8	G	24·0	6	− ·002	·00
		8o	23·0	3	·000	− ·05
					− ·001	− ·02
6200	9·0	Z	21·8	1	− ·008	− ·07
6201	8·3	G	18·6	3	− ·008	− ·13
		Z	22·7	1	− ·012	− ·18
					− ·009	− ·14
6202	9·0	G	17·3	3	− ·009	− ·02
		8o	22·4	2	− ·008	− ·05
					− ·009	− ·04
6204	9·0	Z	22·7	1	− ·008	+ ·02
6205	9·3	Z	26·0	1	− ·006	− ·12
6206	9·1	Z	23·9	2	− ·003	+ ·04
6207	8·5	Z	21·0	1	+ ·001	+ ·06
6209	7·6	t	59·1	1	− ·008	− ·01
		G	22·8	4	− ·010	− ·06
		8o	21·9	4	− ·001	− ·02
					− 006	− ·02
6210	8·0	Z	23·0	1	− ·020	+ 10
6211	8·2	Z	24·0	1	− ·012	·00
6212	9·0	G	17·7	3	− ·005	− ·01
		Z	23·4	3	− ·005	− ·03
					− ·005	− ·02
6213	8·0	Z	23·0	1	− ·003	− ·01
6214	8·5	G	18·8	3	− ·004	− ·04
		Z	23·8	2	− ·006	− ·03
					− ·004	− ·04
6215	8·8	Z	23·9	1	·000	− ·06
6216	8·0	Z	23·3	1	− ·006	− ·06
6217	8·0	G	18·7	3	− ·010	− ·08
		Z	22·7	1	− ·009	− ·08
					− ·010	− ·08
6218	7·8	G	22·4	8	− ·003	·00
		8o	22·9	3	− ·001	+ ·01
					− ·002	·00
6219	8·6	G	17·8	3	− ·004	+ ·07
		Z	24·8	1	− ·005	+ ·04
					− ·004	+ ·06
6220	9·0	Z	22·9	1	− ·002	+ ·02
6221	8·3	G	20·6$_6$	4	− ·009	·00
		8o	20·3	3	− ·008	− ·02
					− ·008	− ·01
6223	8·0	Z	22·9	1	− ·002	− ·08
6224	8·8	Z	21·6	1	−0·004	−0·03
6225	9·3	Z	23·9	1	− ·009	− ·05
6226	7·0	5o	44·9:46·5	2	− ·001	− ·02
		G	21·0	4	− ·002	·00
		8o	20·0	3	− ·002	− ·02
					− ·001	− ·02
6227	8·5	Z	23·9	1	+ ·005	+ ·03
6228	8·5	Z	23·8	1	·000	+ ·06
		Ms	26·7	4	− ·005	·00
					− ·004	+ ·01
6229	7·4	t	58·7	1	− ·003	+ ·01
		G	21·6	4	− ·002	+ ·01
		8o	20·7	4	− ·002	+ ·01
					− ·002	+ ·01
6231	8·4	Z	22·9	2	− ·014	·00
6232	9·5	Z	22·9	1	− ·010	− ·13
6233	7·8	G	20·2	4	− ·001	− ·05
		8o	21·9	2	+ ·002	− ·01
					·000	− ·03
6234	9·0	Z	22·9	1	− ·004	+ ·02
6236	7·5	5o	48·9	2	...	− ·04
		6S	30·9	2	− ·004	− ·06
		G	22·0	5	− ·002	− ·02
		8o	22·9	3	− ·002	− ·03
					− ·003	− ·04
6237	7·6	G	19·9	5	− ·010	− ·03
		8o	19·8	2	− ·011	− ·04
					− ·010	− ·03
6238	8·0	G	20·9	4:5	− ·003	− ·05
		8o	21·7	3	− ·006	− ·02
					− ·004	− ·03
6239	8·0	Z	22·0	1	− ·014	− ·11
6241	6·0	G	18·3	11	+ ·088	+ ·21
		8o	21·8	3	+ ·094	+ ·24
					+ ·089	+ ·22
6242	8·8	Z	24·8	1	− ·004	+ ·01
6243	7·4	G	22·7	6	− ·005	− ·01
		8o	20·7	3	− ·004	·00
					− ·005	·00
6244	7·5	G	22·8	4	− ·008	− ·24
		8o	22·8	3	− ·001	− ·24
					− ·004	− ·24
6245	8·5	G	17·5	4	− ·006	− ·02
		Z	23·0	1	− ·004	+ ·02
					− ·006	− ·02
6246	8·8	Z	22·6	2	+ ·004	− ·04
6248	8·2	G	17·7	3	− ·005	+ ·02
		Z	22·7	2	− ·004	− ·01
					− ·005	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
6249	8·8	G	16·6	3	−0·004	+0·02
		Z	23·6	1	·000	− ·02
					− ·003	+ ·01
6250	9·0	Z	23·9	1	− ·007	− ·06
6251	7·8	G	22·9	5	− ·007	− ·08
		8o	21·9	3	− ·005	·00
					− ·006	− ·03
6252	8·6	Z	25·8	1	− ·023	− ·02
6253	8·0	Z	21·0	1	+ ·001	− ·09
6254	8·3	G	21·1	5:6	− ·004	− ·03
6255	8·8	Z	23·4	1	− ·014	·00
6256	8·8	Z	24·0	1	− ·003	− ·11
6257	9·1	Z	22·7	1	− ·004	+ ·01
6258	8·4	Z	23·0	1	− ·007	− ·05
6259	8·5	G	17·6	4	− ·002	+ ·05
		Z	22·6	2	− ·008	− ·03
					− ·003	+ ·03
6260	8·1	G	18·9	3	− ·002	− ·05
		Z	23·9	2	− ·003	− ·02
					− ·002	− ·04
6261	7·5	G	20·6	6	+ ·001	− ·06
		8o	19·4	3	− ·002	+ ·01
					·000	− ·02
6262	9·5	Z	23·9	1	− ·005	+ ·02
6263	8·5	Z	23·9	1	− ·006	− ·01
6264	8·8	G	17·8	3	− ·003	+ ·06
		Z	24·8	1	− ·006	+ ·04
					− ·003	+ ·06
6266	7·7	G	21·4	5	− ·005	− ·02
		8o	21·7	3	− ·004	·00
					− ·005	− ·01
6268	8·0	Z	23·8	1	+ ·018	− ·10
6270	8·5	Z	25·9	1	− ·007	− ·03
6271	6·0	t	62·9:63·8	3:2	− ·005	− ·01
		5o	45·8:47·4	2	− ·004	− ·01
		6o	41·9	2	...	− ·03
		G	22·4	6	− ·007	− ·07
		8o	20·9	3	+ ·001	− ·07
		9o	10·8:11·0	5:6	− ·006	− ·05
					− ·005	− ·03
6272	8·5	Z	22·9	1	− ·008	− ·01
6273	7·8	G	23·8	4	− ·009	− ·09
		8o	22·8	3	− ·001	− ·05
					− ·005	− ·07
6274	7·5	t	59·0	1	− ·010	+ ·01
		G	21·4	5	− ·005	+ ·02
		8o	20·7	3	− ·004	+ ·05
					− ·006	+ ·03
6275	7·3	G	21·4:21·9	5:6	−0·002	−0·01
		8o	21·9	3	+ ·006	− ·03
					+ ·001	− ·02
6276	9·0	Z	21·5	2	− ·006	− ·05
6277	8·0	G	16·6	3	+ ·056	+ ·08
		Z	23·5	1	+ ·029	+ ·03
					+ ·052	+ ·07
6278	9·5	Z	22·0	1	− ·012	− ·01
6280	8·6	G	17·6	3	− ·002	+ ·01
		8o	24·6	1	− ·009	+ ·02
					− ·003	+ ·01
6281	8·0	Z	22·0	2	− ·005	− ·03
6282	7·7	G	23·0	5	+ ·005	− ·02
		Ms	16·0	5	+ ·002	− ·16
		8o	22·9	3	+ ·001	+ ·02
					+ ·004	− ·02
6284	8·3	Z	23·9	1	·000	− ·03
6285	9·2	Z	22·9	1	− ·007	− ·04
6286	7·5	G	16·2	3	− ·005	− ·01
		Z	22·2	2	− ·004	− ·09
					− ·005	− ·04
6287	7·0	t	61·0	1	− ·005	− ·01
		5o	46·9:48·5	2	− ·003	− ·04
		G	24·9	4	− ·008	− ·05
		8o	22·6	3	·000	·00
					− ·004	− ·03
6288	8·3	G	19·6	4	− ·010	− ·02
		Z	24·6	1	− ·006	+ ·02
					− ·009	− ·02
6289	7·8	5o	45·9:47·5	2	·000	− ·02
		G	17·9	3	− ·004	− ·02
		Z	22·9	1	− ·002	+ ·03
					− ·001	− ·02
6290	6·8	t	59·9	1	− ·007	− ·05
		5o	47·0:48·6	1:2	·000	− ·03
		G	24·8	4	− ·007	− ·04
		Ms	19·3	5	− ·008	− ·06
		8o	23·0	3	− ·001	+ ·01
					− ·004	− ·03
6291	8·8	Z	23·0	1	− ·006	− ·03
6292	7·5	G	19·3	6	− ·006	− ·18
		8o	19·1	2	− ·002	− ·11
					− ·005	− ·15
6293	7·5	G	21·7	4	− ·009	− ·04
		8o	21·6	3	− ·002	+ ·04
					− ·005	+ ·01
6294	8·0	G	19·3:19·4	5:6	− ·008	− ·10
		8o	20·9	3	− ·006	− ·06
					− ·007	− ·08
6295	8·0	G	16·9	3	− ·002	− ·02
		Z	23·0	1	− ·002	·00
					− ·002	− ·02
6296	8·8	Z	24·0	1	0·000	−0·08
6297	9·2	Z	22·7	1	− ·002	+ ·04
6298	8·0	G	16·0	3	·000	− ·01
		Z	21·7	3	− ·002	− ·06
					− ·001	− ·03
6299	7·8	G	22·8	4	− ·011	− ·01
		8o	21·9	3	− ·008	+ ·01
					− ·009	·00
6300	8·4	Z	23·9	1	·000	+ ·08
6301	8·8	Z	25·9	1	− ·004	− ·04
6302	9·2	Z	24·1	1	+ ·001	+ ·02
6304	8·5	Z	21·1	1	− ·004	− ·10
6305	8·0	G	22·6	4	− ·010	− ·04
		8o	20·7	3	− ·006	− ·01
					− ·008	− ·02
6306	8·4	Z	22·9	1	− ·005	·00
6307	8·9	Z	23·9	1	− ·003	− ·01
6308	8·5	Z	21·1	1	− ·007	+ ·02
6311	7·5	G	19·8	4	− ·008	− ·12
		8o	19·8	3	− ·005	− ·02
					− ·006	− ·06
6312	8·5	G	22·9	4	+ ·008	·00
		8o	22·9	3	+ ·006	+ ·03
					+ ·007	+ ·02
6313	7·5	G	20·3	9	− ·006	− ·04
		8o	20·0	3	− ·006	− ·07
					− ·006	− ·05
6315	7·6	G	22·9	4	·000	·00
		8o	22·9	3	− ·001	+ ·08
					·000	+ ·05
6316	8·8	G	18·6	3	− ·010	− ·08
6317	9·0	Z	22·0	2	− ·005	+ ·01
		Ms	22·6	5	− ·010	·00
					− ·009	·00
6318	7·3	t	59·1	2	− ·015	− ·02
		G	21·9	4	− ·004	− ·02
		Ms	16·9	5	− ·007	− ·09
		8o	21·9	3	− ·003	+ ·02
					− ·009	− ·02
6319	8·8	Z	23·9	2	− ·007	− ·01
6320	8·6	Z	25·8	1	− ·002	− ·04
6321	9·2	G	17·9	3	·000	− ·06
		Z	24·9	1	− ·011	·00
					− ·002	− ·05
6322	9·2	Z	22·8	1	− ·008	+ ·08
6323	8·5	G	21·0	4	− ·013	− ·10
		8o	19·1	3	− ·007	− ·04
					− ·010	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
6325	8·2	Z	24·9	2	−0·004	+0·04
6326	9·5	Z	22·9	1	+ ·001	− ·02
6327	8·8	G	18·7	3	+ ·002	− ·03
		Z	22·8	1	− ·004	− ·06
					+ ·001	− ·04
6328	7·0	t	58·7:59·0	6:5	− ·005	+ ·05
		50	47·0:48·4	2	− ·004	+ ·02
		G	24·8	4	− ·009	+ ·07
		80	22·8	3	− ·005	+ ·08
					− ·005	+ ·05
6329	7·5	G	21·5	6	− ·005	− ·03
		Ms	16·4	5	− ·016	− ·11
		80	20·5	3	− ·005	− ·01
					− ·006	− ·03
6331	8·0	G	22·0	4	− ·002	− ·04
		80	21·8	3	− ·002	− ·05
					− ·002	− ·05
6332	7·3	G	20·2	4	− ·002	− ·06
		Ms	13·1	5	− ·018	− ·02
		80	19·1	3	− ·007	− ·07
					− ·006	− ·06
6333	9·4	Z	24·0	1	− ·014	+ ·03
6334	9·1	Z	23·6	3	·000	− ·03
6335	8·0	G	19·5	4	− ·005	− ·05
		Z	23·6	1	− ·008	+ ·05
					− ·005	− ·04
6336	8·5	Z	22·9	2	− ·001	− ·04
6337	8·5	Z	23·5	1	− ·006	+ ·02
6338	5·2	t	61·8:62·3	5:6	− ·002	− ·04
		40	60·6	6	− ·006	...
		50	45·7:47·2	2:3	− ·006	− ·05
		G	23·8	5	− ·010	− ·06
		Ms	18·4	5	− ·020	− ·10
		80	21·8	3	− ·004	− ·01
					− ·005	− ·04
6339	9·1	Z	23·6	1	− ·008	− ·05
6340	8·8	Z	23·9	1	+ ·004	− ·03
6341	8·5	Z	21·0	1	− ·005	− ·01
6343	8·5	G	17·6	3	− ·006	+ ·02
		Z	24·6	1	− ·010	+ ·04
					− ·007	+ ·02
6344	9·1	Z	26·0	1	− ·012	− ·07
6345	8·4	G	19·9	3:4	+ ·013	− ·03
		Z	23·9	2	·000	+ ·01
					+ ·010	− ·02
6346	8·7	Z	26·0	1	− ·010	− ·08
6347	8·5	Z	23·2	1	− ·002	− ·05
6348	7·6	G	22·5	5	− ·001	− ·05
		80	22·9	3	·000	·00
					− ·001	− ·02
6349	6·3	G	24·9	4	−0·006	−0·09
		80	22·9	3	− ·001	− ·06
					− ·003	− ·07
6350	8·5	Z	22·9	1	− ·010	+ ·04
6351	8·8	G	20·0	5	− ·006	− ·04
		Z	23·8	2	− ·007	+ ·02
					− ·006	− ·03
6352	9·0	Z	23·8	1	− ·002	+ ·06
6353	8·8	Z	22·8	1	+ ·003	+ ·02
6354	9·1	Z	23·8	2	− ·004	− ·03
6356	7·5	G	19·7	5	+ ·013	− ·38
		80	19·0	6	+ ·014	− ·37
					+ ·013	− ·37
6357	8·5	G	19·6	2:4	− ·017	− ·02
		Z	24·6	1	− ·006	− ·02
					− ·014	− ·02
6358	7·5	G	16·4	2	− ·024	− ·07
		Z	22·9	3	− ·020	− ·20
					− ·022	− ·11
6359	9·5	Z	24·0	2	− ·003	− ·03
6360	9·1	Z	24·0	1	− ·012	·00
6361	9·3	Z	22·8	1	− ·007	+ ·11
6362	8·5	G	16·3	3	− ·008	+ ·02
		Z	23·3	1	+ ·001	− ·07
					− ·007	·00
6363	8·5	Z	23·3	3	− ·003	− ·06
6364	8·5	Z	24·9	1	− ·006	− ·07
6365	5·5	40	58·9:59·0	1:2	+ ·011	− ·18
		50	46·9:48·4	2	+ ·008	− ·19
		G	25·0	4	+ ·006	− ·21
		80	22·9	3	+ ·010	− ·17
		m	18·9	3	+ ·008	− ·14
					+ ·009	− ·18
6366	8·3	G	16·7	3	− ·004	− ·08
		Z	22·7	4	− ·004	+ ·02
					− ·004	− ·03
6367	7·8	G	18·9	3	+ ·008	− ·15
		Z	24·0	1	+ ·007	− ·10
					+ ·008	− ·14
6368	8·9	Z	22·8	1	− ·013	− ·05
6369	9·1	Z	25·8	3	− ·006	·00
6371	6·5	40	57·9	2	...	− ·05
		50	45·9:47·5	1:2	− ·002	− ·01
		G	23·9	4	− ·005	− ·05
		80	21·9	3	+ ·001	− ·01
					− ·002	− ·03
6374	7·5	G	22·8	4	·000	− ·01
		80	21·8	3	+ ·008	− ·01
					+ ·004	− ·01
6375	9·7	G	22·2	5	−0·001	−0·03
		Z	24·9	2	− ·005	+ ·01
					− ·002	− ·02
6376	8·3	G	18·9	4	− ·008	− ·05
		Z	24·7	1	− ·007	− ·04
		Ms	16·4	5	− ·012	− ·05
					− ·008	− ·05
6377	8·3	G	20·7	3	− ·007	− ·03
		Z	24·7	2	− ·014	− ·01
					− ·008	− ·02
6379	7·8	G	23·9	4	− ·011	− ·06
		80	21·9	3	− ·004	·00
					− ·007	− ·02
6380	9·0	Z	24·7	1	− ·003	+ ·02
6381	8·0	Z	22·9	1	+ ·004	− ·09
6382	8·5	Z	22·0	2	− ·007	− ·44
6384	7·3	t	59·9	2	− ·003	− ·01
		G	22·0	5	− ·003	− ·03
		Ms	16·8	5	+ ·001	− ·11
		80	21·5	3	− ·005	+ ·04
					− ·003	− ·01
6386	9·3	Z	25·8	2	− ·012	− ·05
6387	8·3	Z	23·8	1	+ ·004	− ·07
6388	8·9	Z	24·0	1	− ·011	− ·04
6389	8·7	Z	24·8	1	− ·004	− ·07
6390	8·9	Z	24·8	2	− ·010	+ ·06
6391	8·5	G	15·8	2	·000	− ·06
		80	21·2	3	+ ·005	− ·05
					+ ·003	− ·05
6393	7·4	40	58·0	1	− ·003	...
		G	21·5	9	− ·003	− ·01
		80	21·9	3	− ·001	·00
					− ·003	·00
6394	7·5	G	16·9	3	− ·001	− ·01
		Z	22·9	2	− ·006	− ·07
					− ·002	− ·03
6396	7·7	G	17·7	3	− ·010	+ ·07
		Z	24·7	2	− ·004	− ·03
					− ·009	+ ·04
6397	7·7	G	22·9:22·8	5:6	− ·002	− ·09
		80	22·7	3	− ·002	− ·08
					− ·002	− ·08
6398	8·0	G	20·9	4	− ·003	− ·01
		80	20·8	3	− ·001	− ·02
					− ·002	− ·02
6400	7·8	G	23·1	5	− ·002	− ·01
		80	22·7	3	− ·007	+ ·02
					− ·004	+ ·01
6402	8·8	G	15·9	3	+ ·004	− ·04
		Z	23·0	2	+ ·010	+ ·01
					+ ·005	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
6404	7·5	G	15·9	3	−0·009	+0·04
		Z	23·0	1	− ·001	− ·06
					− ·008	+ ·02
6405	7·5	G	16·0	3	+ ·005	− ·06
		Z	22·3	3	+ ·003	− ·08
					+ ·004	− ·07
6406	8·7	Z	25·6	3	− ·006	+ ·02
6410	8·4	G	21·8	5	− ·004	− ·02
		80	21·7	3	+ ·002	− ·05
					− ·002	− ·04
6411	8·6	G	18·9	3	− ·007	− ·14
		Z	24·8	1	− ·004	− ·02
					− ·007	− ·12
6412	7·5	G	22·4	4	− ·002	+ ·04
		80	22·0	3	·000	+ ·03
					− ·001	+ ·03
6413	8·0	Z	23·0	1	− ·009	− ·03
6417	8·5	G	18·1	4	− ·004	− ·01
		Z	24·8	2	− ·008	− ·06
					− ·005	− ·02
6418	8·3	G	21·5	6	− ·005	− ·07
		80	21·3	5	− ·004	− ·02
					− ·004	− ·04
6419	9·2	Z	24·9	1	− ·007	+ ·01
6420	9·2	Z	24·9	1	− ·004	− ·01
6421	8·5	Z	25·8	2	− ·005	− ·09
6423	7·5	G	20·3	6	− ·004	·00
		80	21·7	3	+ ·003	− ·04
					− ·002	− ·02
6424	7·4	G	21·6	6	− ·003	− ·01
		80	22·7	3	− ·002	+ ·04
					− ·003	+ ·01
6425	7·4	G	22·5	3:5	− ·003	− ·06
		80	22·6	3	− ·001	·00
					− ·002	− ·02
6427	8·3	G	21·7	6	− ·004	+ ·01
		80	22·3	3	− ·007	+ ·04
					− ·005	+ ·02
6428	5·8	t	61·1:61·4	2	− ·003	− ·05
		40	56·0	2:1	− ·002	− ·03
		50	43·9:45·5	2	+ ·001	− ·02
		60	40·1	1	...	− ·02
		G	22·0	4	− ·005	− ·03
		Ms	16·0	6	+ ·001	+ ·01
		80	18·6	2:3	+ ·002	− ·02
		90	3·4:3·8	6:7	+ ·009	− ·19
					− ·002	− ·03
6429	8·9	Z	23·8	1	− ·008	− ·10
6431	7·0	t	59·6	2	− ·003	− ·02
		50	45·6:46·8	2	− ·002	− ·02
		G	21·2	5	− ·005	+ ·01
		80	21·6	3	− ·006	+ ·01
					− ·004	− ·01
6432	8·0	G	22·6	3	+0·003	+0·01
		80	22·2	4	+ ·002	+ ·06
					+ ·002	+ ·05
6435	9·0	Z	22·9	1	− ·004	− ·07
6436	9·0	G	17·9	2	+ ·003	− ·03
		Z	24·9	1	+ ·005	− ·02
					+ ·003	− ·03
6438	9·0	G	20·9	4	− ·007	− ·04
		80	19·9	2	− ·016	− ·04
					− ·010	− ·04
6439	9·6	Z	25·8	1	− ·012	− ·06
6440	9·0	Z	25·6	1	− ·002	− ·01
6443	7·5	G	16·4	4	− ·008	+ ·01
		Z	22·9	1	− ·003	− ·15
					− ·007	− ·01
6444	8·7	Z	25·6	1	− ·008	+ ·04
6446	8·5	Z	23·1	4	− ·008	− ·02
6447	8·9	Z	24·7	1	− ·013	− ·18
6448	8·5	Z	23·9	3	− ·005	− ·03
6449	8·0	Z	23·9	2	− ·002	− ·03
6452	7·6	G	22·7	5	·000	+ ·05
		80	22·8	3	+ ·004	·00
					+ ·001	+ ·02
6453	8·4	G	19·0	4	− ·008	− ·09
		80	20·3	5	− ·010	− ·08
					− ·009	− ·08
6454	9·5	Z	22·0	1	− ·005	+ ·02
6455	8·7	G	17·9	2	− ·004	− ·03
		Z	24·9	1	− ·004	− ·06
					− ·004	− ·04
6456	8·0	G	22·1	5	+ ·001	− ·03
		80	21·9	3	·000	+ ·05
					+ ·001	+ ·02
6458	7·8	G	19·3	5	− ·003	− ·07
		Z	22·1	2	− ·005	·00
					− ·003	− ·06
6459	5·0	t	56·0	1	− ·004	− ·04
		50	45·7:47·4	2	− ·003	− ·01
		G	23·7	4	− ·010	− ·04
		80	20·7	3	− ·009	·00
		90	9·8:9·9	5:6	− ·011	− ·08
					− ·006	− ·02
6460	9·3	Z	25·6	1	− ·003	− ·02
6461	7·8	G	19·8	5	− ·001	− ·03
		80	19·0	2	− ·002	+ ·04
					− ·001	·00
6464	8·5	Z	21·1	1	− ·001	− ·14
6465	9·5	Z	24·8	1	− ·006	− ·06
6468	8·6	G	21·6	4	−0·001	−0·06
		80	20·5	3	− ·007	− ·05
					− ·004	− ·05
6469	5·3	t	59·7:59·6	3:4	− ·003	− ·06
		40	56·3:56·4	3:4	− ·002	− ·02
		50	44·2:45·7	2	− ·004	·00
		G	22·1	4	− ·006	·00
		Ms	29·4	5	− ·005	− ·02
		80	18·5	3	− ·004	− ·01
		m	16·2	3	− ·024	+ ·07
					− ·004	− ·02
6470	8·0	G	21·9	4	− ·001	− ·01
		80	22·0	3	·000	− ·01
		90	4·5	6	+ ·013	− ·02
					·000	− ·01
6471	9·0	Z	25·7	1	·000	− ·05
6474	8·3	Z	22·1	2	− ·001	·00
6475	8·5	t	59·5:59·8	2:1	− ·012	− ·03
		G	22·9	4	− ·006	− ·05
		80	21·9	3	− ·002	− ·03
					− ·008	− ·03
6476	8·5	Z	23·0	1	+ ·002	− ·07
6477	8·1	G	23·7	4	− ·005	·00
		80	22·8	3	− ·006	+ ·06
					− ·005	+ ·04
6478	7·5	G	21·1	5	− ·009	− ·06
		80	18·9	2	+ ·001	− ·01
					− ·007	− ·03
6480	9·2	Z	24·8	1	− ·010	− ·06
6483	9·0	Z	25·7	1	− ·002	− ·01
6484	8·0	Z	25·8	1	− ·007	·00
6486	9·0	Z	21·1	1	− ·008	− ·06
6487	8·5	G	16·9	2	− ·002	+ ·01
		Z	25·9	1	− ·013	− ·06
					− ·005	·00
6488	9·1	Z	24·8	1	− ·013	·00
6489	7·5	40	62·8	4	− ·004	...
		G	24·8	4	− ·003	− ·09
		80	22·7	3	− ·002	− ·03
					− ·004	− ·05
6490	9·0	Z	22·7	2	− ·009	+ ·01
6491	8·7	G	18·8	3	− ·002	− ·04
		Z	24·8	1	− ·005	− ·08
					− ·002	− ·05
6492	8·0	G	18·6	3	− ·002	− ·09
		Z	23·1	3	− ·005	− ·05
					− ·003	− ·08
6494	7·5	G	19·1	4	− ·007	− ·06
		80	19·1	3	− ·003	− ·03
					− ·005	− ·04
6495	8·6	Z	24·7	1	− ·002	+ ·07

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
6496	8·1	Z	24·8	2	−0·004	−0·04
6500	8·5	Z	24·8	1	− ·008	− ·02
6502	9·0	Z	22·4	3	− ·005	+ ·03
6503	8·0	Z	22·4	3	− ·004	− ·02
6504	9·0	G	16·9	3	·000	− ·04
		Z	23·9	1	− ·004	− ·05
					− ·001	− ·04
6505	8·0	6o	38·2	4:5	− ·001	− ·04
		G	21·0	4	− ·004	·00
		8o	20·0	3	− ·007	− ·07
					− ·002	− ·04
6506	8·3	Z	24·8	1	− ·001	+ ·02
6507	8·3	G	21·8	4	− ·004	− ·04
		8o	21·8	3	− ·010	+ ·03
					− ·007	·00
6509	8·5	G	18·7	3	− ·003	+ ·01
		Z	25·6	2	− ·012	− ·01
					− ·005	·00
6510	4·0	t	59·3:67·9	2:5	− ·004	− ·02
		4o	63·4:62·8	14:12	− ·002	− ·05
		5o	46·9:48·6	2	− ·002	− ·02
		6o	38·9:39·0	2:3	− ·001	− ·01
		65	31·9	5	− ·004	− ·01
		M	29·9	3	− ·003	− ·03
		G	23·1	5	− ·003	·00
		Ms	22·0	5	− ·005	− ·05
		8o	22·9	3	− ·002	·00
		85	15·0	10	− ·005	− ·01
		90	8·1	6	− ·009	− ·01
					− ·003	− ·03
6511	9·3	Z	25·9	1	− ·010	− ·01
6512	7·6	G	21·8:22·0	5:6	− ·004	+ ·03
		8o	22·7	3	·000	+ ·07
					− ·003	+ ·05
6513	8·1	G	21·0	5	− ·005	− ·02
		8o	21·9	3	− ·003	+ ·02
					− ·004	·00
6514	6·0	t	60·7:60·6	4	− ·002	− ·15
		4o	58·7	6	− ·002	...
		5o	44·0:45·5	2	·000	− ·11
		6o	40·1	1	...	− ·11
		M	29·0	3	+ ·001	− ·06
		G	20·1	5	·000	− ·16
		Ms	33·0	5	− ·005	− ·12
		8o	19·1	3	+ ·003	− ·10
					− ·001	− ·12
6515	8·5	Z	21·1	1	− ·008	− ·01
6516	8·5	Z	23·7	2	− ·003	·00
6517	8·0	G	19·8	3	− ·003	− ·17
		8o	20·1	3	− ·011	− ·09
					− ·007	− ·11
6518	8·5	Z	24·9	1	− ·008	+ ·01
6520	9·5	Z	24·9	1	− ·023	+ ·05
6521	7·8	G	19·6	3	−0·004	−0·06
		Z	25·6	1	− ·013	− ·09
					− ·005	− ·07
6524	9·1	Z	25·7	2	− ·005	+ ·01
6526	9·1	Z	24·8	1	− ·007	− ·05
6527	8·1	Z	24·9	1	− ·003	+ ·04
6529	7·9	M	31·5	3	− ·001	− ·02
		G	22·5	5	− ·002	− ·06
		8o	21·4	4	− ·005	− ·04
					− ·002	− ·03
6533	9·5	Z	23·2	1	− ·008	− ·06
6535	6·5	t	58·9	1	− ·008	− ·03
		4o	57·9	2	− ·002	...
		5o	45·9:47·4	2	− ·002	− ·07
		G	21·8	6	− ·008	− ·04
		8o	21·9	3	− ·005	− ·01
		m	17·8	4	+ ·001	− ·04
					− ·004	− ·04
6536	9·0	Z	24·0	1	− ·008	− ·02
		Ms	33·6	5	+ ·003	+ ·01
					+ ·002	+ ·01
6537	6·0	G	22·9	4	− ·005	− ·03
		8o	19·9	3	− ·002	− ·04
					− ·003	− ·04
6539	8·3	Z	25·7	1	− ·007	·00
6540	8·5	Z	24·9	1	·000	− ·03
6541	8·3	G	17·3	4	− ·001	− ·04
		Z	22·0	2	− ·002	− ·10
					− ·001	− ·05
6542	8·0	G	19·0	4	− ·009	− ·12
		Z	23·0	2	− ·005	− ·05
					− ·008	− ·11
6543	9·0	Z	23·8	1	+ ·001	− ·01
6544	9·1	Z	25·6	1	− ·011	+ ·06
6546	7·4	t	60·8	2	− ·004	− ·09
		5o	48·8:48·1	2:3	·000	− ·08
		G	25·0	5	− ·010	− ·13
		8o	22·8	3	− ·008	− ·03
					− ·005	− ·08
6547	9·3	Z	25·7	1	− ·007	+ ·05
6548	8·9	G	22·8	3	− ·002	− ·05
		Z	24·9	1	− ·001	− ·04
					− ·002	− ·05
6549	8·5	Z	23·2	1	− ·005	− ·04
6550	6·0	G	22·0	4	− ·010	− ·02
		8o	19·0	3	− ·004	− ·03
					− ·007	− ·03
6552	7·0	G	19·0	4	− ·004	− ·08
		8o	19·1	4	− ·002	− ·07
					− ·003	− ·07
6553	7·0	G	16·0	3	+0·004	−0·03
		8o	19·0	3	+ ·006	− ·05
					+ ·005	− ·04
6554	8·0	G	22·1	5	+ ·001	− ·02
		8o	21·9	3	·000	− ·01
					+ ·001	− ·01
6555	9·3	Z	24·9	2	− ·004	− ·04
6558	9·1	Z	25·0	1	− ·007	− ·08
6559	7·6	G	24·6	4	− ·008	− ·06
		8o	22·7	3	− ·010	+ ·01
					− ·009	− ·02
6560	8·3	G	20·0	4	+ ·001	− ·06
		Ms	13·2	5	+ ·008	− ·05
		8o	18·9	2	− ·003	− ·01
					+ ·001	− ·04
6561	8·0	G	22·7	4	− ·009	·00
		8o	21·8	3	− ·003	·00
					− ·006	·00
6562	8·9	Z	25·7	2	− ·003	+ ·02
6563	9·0	Z	23·0	1	− ·004	+ ·02
6564	7·5	G	24·8	4	− ·002	+ ·03
		8o	22·9	3	·000	+ ·06
					− ·001	+ ·05
6568	7·0	t	63·0:63·8	3	+ ·003	+ ·02
		5o	45·7:47·3	1:3	+ ·005	+ ·02
		G	23·9	4:3	+ ·001	− ·03
		8o	20·7	3	+ ·003	+ ·01
					+ ·003	+ ·02
6569	8·3	Z	25·8	1	− ·003	− ·04
6570	8·3	Z	24·9	1	− ·004	+ ·01
6571	8·8	G	16·0	2	+ ·002	− ·02
		Z	23·0	2	− ·008	+ ·03
					− ·001	·00
6572	6·5	t	58·9	6	− ·004	− ·06
		5o	48·5	2	...	− ·03
		G	24·9	4	− ·013	− ·03
		8o	22·8	3	− ·005	− ·04
					− ·005	− ·05
6573	8·0	Z	22·0	2	− ·009	− ·11
6575	8·3	Z	25·6	1	− ·009	+ ·01
6577	9·0	G	18·6	4	− ·009	− ·06
		Z	24·8	1	− ·003	·00
					− ·008	− ·05
6578	8·6	Z	24·8	1	− ·008	− ·03
6579	8·0	G	16·0	3	+ ·001	− ·01
		Z	23·0	1	− ·003	− ·07
					·000	− ·02
6580	8·8	Z	23·0	2	− ·007	·00
6582	8·8	Z	22·0	2	− ·010	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
6583	9·0	Z	23·0	3	−0·007	−0·08
6584	9·0	Z	24·8	2	− ·006	+ ·02
6585	6·8	60	37·4	4	− ·003	− ·03
		G	22·5	7	·000	− ·03
		Ms	27·1	5	− ·003	− ·05
		80	19·1	3	− ·005	− ·03
					− ·002	− ·03
6586	7·7	G	18·7	3	+ ·009	+ ·01
		Z	25·6	2	− ·005	+ ·04
					+ ·006	+ ·02
6587	8·0	G	16·0	3	− ·004	− ·05
6588	7·4	G	22·9	4	− ·009	− ·17
		80	21·8	3	− ·006	− ·07
					− ·007	− ·11
6589	7·5	G	24·7	5	− ·006	− ·04
		80	22·7	3	− ·004	− ·02
					− ·005	− ·03
6590	8·7	Z	24·8	1	− ·010	+ ·06
6591	8·5	Z	24·9	1	+ ·006	− ·01
6592	8·2	G	22·9	4	− ·004	− ·08
		80	21·9	3	+ ·004	− ·01
					·000	− ·04
6593	8·6	Z	25·6	1	− ·002	− ·01
6594	8·2	G	18·8	3	− ·007	− ·05
		Z	24·8	2	− ·004	− ·08
					− ·006	− ·06
6597	9·0	Z	23·0	1	− ·009	·00
6599	7·2	G	17·0	3	+ ·001	− ·08
		Z	23·0	3	− ·004	− ·05
					− ·001	− ·07
6600	9·1	G	17·4	3	− ·007	− ·12
6602	9·0	G	18·0	3	− ·002	− ·13
6603	8·5	Z	24·8	1	− ·010	+ ·01
6604	9·1	Z	25·6	1	− ·004	+ ·01
6605	8·7	Z	24·9	2	− ·010	− ·04
		Ms	15·1	5	+ ·012	− ·26
					+ ·001	− ·15
6606	8·7	Z	25·7	1	− ·011	− ·04
6609	9·5	Z	23·0	1	− ·010	+ ·02
6610	9·5	Z	25·8	1	− ·009	− ·03
6611	7·6	G	22·6	3	− ·002	− ·06
		80	22·7	3	+ ·002	− ·03
					·000	− ·04
6612	9·0	Z	24·0	2	− ·004	− ·03
6614	8 0	t	61·4:61·2	3	− ·002	− ·11
		G	17·3	3	− ·005	− ·19
		80	17·6	3	− ·006	− ·09
					− ·003	− ·11
6615	8·2	Z	24·8	3	−0·006	−0·02
6617	7·0	G	23·3	4	+ ·002	− ·18
		80	22·7	3	+ ·004	− ·11
					+ ·003	− ·14
6618	8·3	G	20·8	4	+ ·001	− ·06
		Ms	16·1	5	+ ·009	− ·16
					+ ·002	− ·09
6619	5·8	t	63·0	2:3	+ ·006	− ·03
		40	58·1	1	− ·003	...
		50	45·9:46·8	2	− ·003	·00
		60	39·5	7	− ·002	− ·03
		G	24·0	4	− ·001	− ·05
		Ms	31·1	5	− ·003	− ·02
		80	20·9	3	− ·001	·00
					− ·001	− ·03
6622	8·0	Z	23·3	1	− ·011	− ·05
6623	8·8	Z	25·6	1	− ·005	− ·04
6624	8·3	G	22·8	4	− ·019	− ·11
		80	20·8	3	− ·019	− ·03
					− ·019	− ·06
6625	9·2	Z	24·8	1	− ·011	+ ·07
6629	8·9	Z	24·8	2	− ·003	+ ·01
6630	8·8	G	19·8	6	− ·002	− ·05
		Z	25·8	1	− ·009	+ ·01
					− ·003	− ·04
6631	9·0	G	17·2	3	− ·006	− ·03
		Z	23·3	1	− ·007	·00
					− ·006	− ·02
6633	4·0	G	25·6	5	− ·002	− ·04
		80	22·7	3	+ ·003	·00
					·000	− ·02
6634	4·0	t	63·6:63·4	9:8	− ·005	− ·02
		40	64·0:63·6	1:4	·000	− ·05
		50	45·9:48·2	2:3	− ·003	− ·07
		60	37·9	1	+ ·007	− ·07
		65	31·5:31·9	6:8	− ·002	− ·08
		M	31·5	3	− ·004	− ·06
		G	21·9	5	− ·001	− ·07
		Ms	21·0	5	− ·002	− ·07
		80	21·8	3	− ·003	− ·08
		85	13·9:14·0	6:5	− ·001	− ·07
					− ·003	− ·05
6635	9·6	Z	24·8	1	− ·015	+ ·07
6636	8·8	G	15·8	2	− ·003	− ·05
		Z	24·8	1	− ·008	− ·21
					− ·004	− ·08
6637	8·5	G	14·4	2	− ·008	+ ·03
		Z	21·5	1	·000	− ·05
					− ·006	+ ·01
6640	8·8	G	17·0	3	− ·001	− ·06
		Z	23·0	2	− ·014	− ·03
					− ·004	− ·05
6641	9·0	Z	23·1	1	+ ·001	− ·05
6642	9·0	Z	25·6	1	−0·007	+0·07
6643	9·0	G	17·0	2:3	+ ·001	− ·09
		Z	23·1	1	− ·007	− ·05
					− ·001	− ·08
6644	9·3	Z	24·9	1	− ·013	− ·10
6646	4·5	t	60·7:63·3	3:7	+ ·019	− ·26
		40	58·8	1	+ ·013	...
		50	46·8:48·3	2	+ ·013	− ·25
		60	39·4	3	+ ·012	− ·27
		65	34·7	4	+ ·012	− ·25
		G	24·7	7	+ ·008	− ·27
		Ms	21·7	5	+ ·008	− ·28
		80	22·7	3	+ ·019	− ·24
		m	18·7	4	+ ·003	− ·21
					+ ·013	− ·26
6647	8·5	G	16·1	3	− ·001	+ ·04
		Z	23·1	1	·000	+ ·01
					− ·001	+ ·03
6648	8·0	G	17·2	3	− ·001	− ·11
		Z	25·2	1	− ·011	− ·03
					− ·002	− ·09
6649	8·2	G	20·8	4	− ·009	− ·05
		80	21·8	4	− ·008	+ ·01
					− ·008	− ·01
6650	8·7	G	15·7	2	− ·009	+ ·01
		Z	24·7	1	− ·004	+ ·07
					− ·008	+ ·02
6651	8·5	G	14·0	1	− ·028	+ ·11
		Z	23·0	1	− ·013	− ·03
					− ·023	+ ·06
6653	8·0	G	19·6	6	− ·001	− ·17
		80	19·0	3	− ·001	− ·16
					− ·001	− ·16
6654	8·2	G	19·7	3	− ·007	+ ·03
		Z	25·7	1	− ·005	− ·12
					− ·007	·00
6655	7·7	G	22·0	5	− ·005	− ·03
		80	21·7	3	− ·009	+ ·03
					− ·006	+ ·01
6656	7·8	G	23·7	4:3	− ·004	− ·11
		80	22·7	3	− ·004	− ·04
					− ·004	− ·07
6657	8·0	t	59·6	3	− ·014	− ·02
		G	22·9	4	− ·010	− ·04
		80	21·8	3	− ·011	·00
					− ·013	− ·02
6658	8·6	G	21·7	4	− ·005	− ·01
		Z	25·7	1	− ·003	+ ·02
					− ·005	− ·01
6659	8·5	G	17·9	3	− ·012	− ·20
6660	8·4	G	23·8	4	− ·006	− ·06
		80	22·9	3	+ ·001	− ·04
					− ·004	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
6661	6·0	t	63·1:62·9	2:3	+0·004	−0·06
		40	58·1	1	− ·002	...
		50	45·9:47·6	2	·000	− ·05
		60	37·9	1	− ·005	− ·05
		65	30·9	1:2	− ·002	− ·03
		M	29·0:28·9	3	− ·004	− ·04
		G	23·9	7	− ·006	− ·04
		Ms	20·9	5	− ·008	− ·10
		80	21·9	3	− ·006	− ·01
					− ·003	− ·05
6662	8·5	Z	23·0	1	+ ·002	+ ·03
6663	8·5	60	39·0	5	− ·004	− ·03
		G	17·8	3	− ·005	− ·03
		Z	24·8	1	− ·006	− ·02
					− ·004	− ·03
6665	9·4	Z	25·6	1	− ·004	+ ·08
6668	8·9	Ms	35·5	5	+ ·002	·00
6669	8·3	Z	25·6	1	− ·008	+ ·05
6670	9·0	Z	23·0	1	− ·006	− ·03
6671	8 8	Z	24·7	1	− ·011	+ ·02
6672	9·3	Z	24·8	1	− ·005	+ ·03
6673	8·5	G	16·0	3	− ·005	·00
		Z	23·0	1	− ·002	− ·07
					− ·005	− ·01
6675	8·0	G	17·0	3	− ·004	− ·04
6676	8·0	G	21·7	4	− ·003	− ·04
		Z	25·6	3	− ·005	− ·02
					− ·004	− 04
6678	8·3	G	21·9	4	·000	− ·05
		Z	25·9	2	+ ·001	− ·01
					·000	− ·04
6682	8·7	Z	24·9	1	− ·002	− ·02
6633	8·9	Z	24·9	1	− ·003	− ·03
6684	8·9	Z	25·8	2	− ·003	− ·02
6686	9·1	Z	24·7	1	− ·008	+ ·02
6687	9·0	G	19·0	1	− ·018	− ·02
		Z	23·0	1	− ·007	− 09
					− 014	− ·04
6689	8·8	Z	23·6	1	− ·004	− ·04
6690	8·6	G	18·7	3	− ·003	+ ·01
		Z	25·7	1	− ·005	+ ·01
					− ·003	+ ·01
6691	7·8	G	23·9	5	− ·009	− ·05
		Ms	15·8	5	− ·013	− ·15
		80	21·9	3	+ ·002	+ ·03
					− ·006	− ·03
6692	9·1	Z	24·9	1	− ·002	− ·01
6693	7·5	G	20·2	4	0·000	−0·09
		80	19·4	3	·000	− ·02
					·000	− ·05
6694	8·0	Z	24·0	1	− ·010	− ·01
6696	9·0	Z	24·9	1	− ·007	− ·06
6697	8·0	G	19·2	4	− ·006	− ·07
		Ms	13·2	5	(+ ·038)	(+ ·10)
		80	19·0	3	− ·002	− ·05
					− ·004	− ·06
6698	9·0	Z	23·1	1	− ·004	·00
6700	7·2	40	62·9	2	...	− ·04
		G	24·6	4	− ·004	− ·03
		80	22·7	3	+ ·003	·00
					·000	− ·03
6701	8·3	Z	25·8	1	− ·002	+ ·06
6702	9·0	Z	24·9	1	− ·012	− ·02
6703	6·5	t	60·6	3	·002	+ ·02
		40	62·9	5	·000	...
		50	46·8:48·4	2	− ·001	·00
		65	31·0	2	+ ·001	− ·01
		G	23·2	5	+ ·002	+ ·01
		80	22·9	3	+ ·003	+ ·07
		m	18·8	4	− ·001	+ ·06
					·000	+ ·02
6704	9·5	Z	23·0	1	− ·006	− ·07
6706	8·4	Z	24·7	1	− ·007	+ ·04
		Ms	27·2	5	− 006	+ ·15
					− ·006	+ ·14
6707	8·2	Z	25·7	1	− ·008	− ·07
6709	8·0	Z	23·1	1	− ·002	− ·11
6710	9·0	Z	23·1	1	− ·005	− ·02
6712	8·7	Z	25·6	1	− ·009	− ·02
6713	7·3	G	24·7	4	− ·010	− ·06
		80	22·8	3	− ·005	− ·02
					− ·007	− ·04
6714	9·1	Z	24·8	1	− ·008	− ·05
6715	7·8	t	60·9	4	− ·007	− ·11
		G	24·8	6	− ·011	− ·13
		80	22·9	3	− ·005	− 13
		90	7·9	3	+ ·003	− ·14
					− ·008	− ·12
6717	7·5	G	19·5:19·8	4:5	+ ·002	− ·06
		80	19·0	3	+ ·003	− ·03
					+ ·002	− ·04
6719	8·3	G	16·9	3	− ·004	− ·07
6721	7·2	G	22·9	5	− ·010	− ·08
		80	21·9	5	− ·006	− ·03
					− ·008	− ·05
6722	9·5	Z	23·1	1	− ·004	+ ·02
6723	8·3	G	17·9	3	−0·004	−0·07
6724	8·8	Z	24·8	1	− ·010	+ ·01
6725	9·0	Z	23·1	1	− ·016	+ ·11
6726	9·0	Z	24·8	1	− ·001	+ ·12
6729	8·9	G	18·6	3	− ·002	·00
		Z	25·6	1	− ·012	+ ·04
					− ·003	+ ·01
6730	8·8	G	18·7	3	− ·003	− ·02
		Z	25·7	1	− ·010	+ ·02
					− ·004	− ·01
6731	8·5	G	15·9	3	− ·001	− ·01
		Z	23 1	1	− ·006	− ·07
					− ·002	− ·02
6732	9·0	Z	24·8	1	− ·006	− ·01
		Ms	28·1	5	− ·003	− ·06
					− ·003	− ·05
6733	9·0	G	16·9	3	+ ·002	− ·03
		Z	23·0	1	− ·006	− ·07
					+ ·001	− ·04
6735	8·1	G	21·8	3	− ·006	− ·06
		Z	25·9	1	− ·014	− ·10
					− ·007	− ·07
6736	8·8	Z	23·7	1	− ·011	+ ·05
6737	7·7	G	22·0	7	− ·004	− ·05
		80	22·8	3	− ·001	+ ·01
					− ·003	− ·02
6738	6·5	t	60·5	3	− ·004	− ·02
		G	24·9	4	− ·006	− ·02
		80	22·8	3	− ·002	− ·04
					− ·004	− ·02
6739	8·8	Z	24·8	1	− ·002	− ·03
6740	8·5	Z	24·8	2	+ ·029	− ·04
		Ms	34·4	6	+ ·022	− ·04
					+ ·023	− ·04
6742	7·4	G	22·9	4	− ·002	− ·07
		80	20·6	3	+ ·002	− ·04
					·000	− ·05
6743	7 0	G	22·2	5:6	− ·002	− ·06
		80	19·0	3	+ ·002	− ·04
					− ·001	− ·05
6745	7·3	t	60·6	3	·000	− ·05
		50	46·7:48·1	2:3	− ·002	− ·04
		G	24·6	4	− ·012	− ·03
		Ms	14·7	5	+ ·011	− ·03
		80	22·7	3	+ ·003	·00
					+ ·001	− ·04
6747	8·0	G	18·6	5	+ ·002	− ·11
		Z	23·4	1	− ·001	− ·16
					+ :002	− ·12

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
6748	7·8	t	58·8:56·8	6:3	−0·008	(−0·15)
		5o	46·7:48·3	2	·000	− ·02
		65	30·8	2	− ·004	− ·03
		G	24·1:24·6	6:5	− ·009	+ ·02
		8o	21·9	6	− ·007	·00
					− ·006	− ·01
6749	9·1	Z	24·8	1	− ·002	− ·02
6750	9·3	G	17·8	3	− ·003	·00
6752	9·3	Z	24·9	1	− ·005	·00
6754	5·5	t	61·0:61·3	2:3	+ ·002	− ·03
		4o	56·1	1	·000	...
		5o	44·0:45·5	2	− ·001	− ·04
		G	22·0	4	− ·004	− ·05
		Ms	14·0	5	− ·016	− ·01
		8o	18·9	2	− ·003	− ·04
					− ·004	− ·03
6755	8·5	Z	25·6	1	− ·012	+ ·02
6756	8·3	G	20·0	5	− ·008	− ·04
		8o	20·3	3	− ·005	+ ·03
					− ·007	·00
6757	8·8	G	19·8	3	− ·005	− ·05
6758	5·5	t	61·4:61·7	2:4	+ ·001	− ·03
		4o	56·1	1	·000	...
		5o	44·9:45·6	1:2	+ ·005	− ·01
		G	22·1	4	− ·006	− ·06
		Ms	12·1	5	− ·006	− ·11
		8o	18·7	3	+ ·001	+ ·01
		9o	5·9	9	+ ·008	− ·08
					·000	− ·02
6759	8·0	G	16·0	3	− ·007	+ ·04
		Z	23·0	1	− ·004	+ ·01
					− ·007	+ ·03
6761	7·2	G	24·1	8	− ·002	+ ·05
		8o	21·8	3	+ ·001	+ ·08
					− ·001	+ ·06
6763	8·6	Z	25·8	1	− ·002	− ·07
6764	~·5	G	17·0	3	+ ·004	− ·08
		Z	23·0	1	− ·012	− ·04
					+ ·002	− ·07
6765	7·7	G	23·8	4	− ·011	− ·05
		8o	21·8	3	− ·006	·00
					− ·008	− ·02
6766	8·3	G	20·8	4	− ·003	− ·07
		8o	20·8	3	− ·008	− ·03
					− ·005	− ·05
6767	8·9	G	21·0	5	− ·002	+ ·01
6769	9·1	G	17·9	3	− ·002	− ·07
6771	8·8	G	16·6	2	− ·008	− ·18
		Z	25·6	1	− ·002	+ ·02
					− ·006	− ·14
6773	8·1	G	17·9	3	− ·007	− ·01
		Z	24·9	1	− ·005	+ ·01
		Ms	14·8	5	− ·004	− ·05
					− ·006	− ·03
6774	6·0	6o	39·1	5	+0·001	−0·04
		G	20·8:21·2	6:7	− ·005	·00
		Ms	33·6	5	+ ·001	− ·02
		8o	21·8	5	+ ·003	+ ·02
		9o	8·1	6	+ ·006	·00
					·000	− ·02
6775	8·2	G	18·9	3	+ ·001	− ·03
		Z	24·9	1	+ ·008	+ ·05
					+ ·002	− ·01
6776	7·0	t	58·0	3	− ·008	− ·03
		5o	44·4:46·0	2	− ·003	− ·03
		M	29·4	4:3	− ·001	− ·01
		G	22·4	4	− ·006	− ·09
		8o	19·4	3	− ·005	− ·06
					− ·003	− ·03
6779	8·0	G	17·5	4	+ ·002	− ·01
		Z	23·0	1	− ·003	+ ·02
					+ ·001	− ·01
6781	8·3	G	20·8	4	− ·003	− ·03
		Z	25·6	1	− ·012	+ ·07
					− ·004	− ·02
6782	7·3	6o	39·1	4	− ·003	− ·04
		G	23·8	5	− ·014	− ·08
		8o	21·7	3	− ·006	·00
					− ·007	− ·04
6783	7·7	G	23·8	4	− ·004	− ·03
		8o	22·8	3	− ·002	+ ·02
					− ·003	·00
6785	9·0	G	17·9	5	− ·002	− ·03
		Z	23·0	1	− ·006	+ ·01
					− ·002	− ·03
6787	8·1	Z	25·6	1	− ·009	·00
6788	9·1	6o	39·2	4	− ·002	− ·13
		G	18·0	3	− ·002	− ·16
		Z	24·9	1	− ·018	− ·15
					− ·003	− ·13
6791	9·0	G	17·8	4	·000	− ·09
		Z	23·1	1	− ·006	− ·01
					− ·001	− ·08
6792	8·5	Z	24·8	1	− ·010	− ·02
6793	8·5	Z	25·6	2	− ·013	+ ·01
6794	7·2	t	60·3	3	− ·009	− ·05
		5o	46·7:48·4	2	− ·002	− ·05
		G	24·8	4	− ·008	− ·07
		8o	22·8	3	− ·004	− ·04
		m	18·7	3	− ·004	− ·03
					− ·006	− ·05
6795	8·1	G	18·9	3	+ ·001	·00
		Z	25·9	1	− ·005	− ·02
					·000	·00
6796	6·0	G	24·6	5	− ·002	− ·06
		8o	19·6	3	− ·003	− ·04
		9o	3·5	11	·000	− ·20
					− ·002	− ·05
6797	9·4	Z	24·8	1	− ·005	+ ·02
6799	8·0	G	16·6	3	−0·003	−0·02
		Z	23·7	1	− ·002	− ·12
					− ·003	− ·04
6801	7·9	G	20·1	6	+ ·001	− ·06
		Z	24·9	1	− ·001	+ ·04
					+ ·001	− ·05
6802	9·0	Z	23·3	1	+ ·001	− ·14
6805	7·9	G	21·4	5	− ·003	− ·10
		8o	20·8	3	− ·001	− ·01
					− ·002	− ·05
6808	8·0	G	20·3:20·2	4:5	− ·002	− ·08
		Z	23·1	1	− ·009	− ·06
					− ·003	− ·08
6810	9·0	Z	24·8	1	− ·005	− ·04
6812	8·5	Z	23·3	1	− ·006	+ ·04
6813	9·0	Z	23·6	1	− ·006	+ ·05
6814	8·9	Z	24·9	1	− ·016	+ ·06
6815	8·5	t	59·6	2	− ·009	− ·03
		G	20·7	4:3	− ·003	− ·01
		8o	21·6	2	− ·008	− ·03
					− ·007	− ·03
6816	8·3	G	20·0	4	− ·003	− ·03
		Z	24·9	1	− ·011	− ·13
					− ·004	− ·04
6817	8·1	G	21·8	4	+ ·006	− ·07
		8o	22·0	3	+ ·003	− ·03
					+ ·004	− ·05
6820	8·0	G	16·1	3	− ·002	− ·03
		Z	23·2	1	− ·008	− ·03
					− ·003	− ·03
6821	7·8	t	60·5	3	− ·009	− ·04
		6o	40·3	4	− ·004	− ·03
		G	23·9	5	− ·004	− ·10
		8o	22·9	3	+ ·003	− ·01
					− ·005	− ·04
6823	8·5	G	20·8	5	− ·005	·00
		Z	25·6	1	− ·008	+ ·04
					− ·005	·00
6825	8·0	G	22·9	4	− ·008	− ·06
		8o	21·9	3	− ·006	·00
					− ·007	− ·02
6826	9·0	Z	23·8	1	− ·011	− ·03
6828	7·5	G	16·0	8	− ·007	− ·05
		8o	19·1	3	− ·003	− ·03
					− ·006	− ·04
6829	9·1	Z	24·9	1	− ·005	·00
6830	7·0	G	24·8	5	+ ·005	− ·04
		Ms	14·8	5	+ ·009	− ·06
		8o	19·8	3	− ·007	·00
					+ ·001	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
6831	8·5	G	17·9	3	+0·002	+0·09
		Z	25·0	1	− ·004	+ ·02
					+ ·001	+ ·08
6832	9·1	Z	24·9	1	− ·006	·00
6833	8·6	Z	25·6	1	− ·018	− ·06
6836	8·5	G	16·5	3	+ ·005	− ·01
		Z	23·6	1	− ·001	·00
					+ ·004	− ·01
6837	7·8	t	60·8	2	− ·003	− ·03
		G	21·8	4	− ·007	− ·05
		8o	22·8	3	+ ·003	+ ·02
					− ·002	− ·02
6838	7·5	t	59·0	2	− ·007	− ·13
		G	22·9	5	− ·004	− ·16
		8o	22·0	3	− ·004	− ·13
					− ·005	− ·13
6839	7·8	G	19·4	6	− ·003	− ·07
		8o	21·9	3	+ ·002	− ·02
					− ·001	− ·04
6841	6·0	G	24·6	5	− ·005	− ·11
		8o	22·7	3	+ ·002	− ·16
					− ·003	− ·14
6843	7·7	G	22·8	4	− ·005	− ·05
		8o	21·9	3	+ ·001	+ ·02
		9o	4·5	6	·000	− ·02
					− ·002	− ·01
6844	8·5	Z	23·3	1	− ·023	− ·06
6845	7·2	4o	58·7	1	− ·001	...
		6o	39·9	5	+ ·003	− ·04
		G	25·7	6	− ·004	− ·06
		8o	22·7	3	+ ·005	− ·02
					+ ·001	− ·04
6846	8·5	G	20·8	4	+ ·001	− ·06
		Z	24·9	1	·000	− ·01
					+ ·001	− ·05
6847	9·3	Z	24·0	1	·000	− ·11
6848	9·2	Z	24·8	1	+ ·006	+ ·01
6849	8·6	G	18·9	3	+ ·005	− ·07
		Z	25·0	1	− ·003	− ·05
					+ ·004	− ·07
6853	7·5	G	22·7	4	− ·004	− ·01
		8o	22·7	3	+ ·001	+ ·01
					− ·001	·00
6855	8·5	Z	24·8	1	− ·011	+ ·03
		8o	20·8	2	− ·004	+ ·02
					− ·006	+ ·02
6856	6·5	t	60·4	3	− ·008	− ·05
		5o	47·7:48·3	2	− ·004	− ·05
		G	24·8	4	− ·006	− ·04
		8o	22·7	3	− ·004	+ ·01
					− ·006	− ·04
6857	7·5	G	21·2	4	− ·006	− ·08
		8o	18·8	3	− ·004	− ·06
					− ·005	− ·07
6859	8·0	G	20·5	5	0·000	−0·04
		8o	19·5	3	+ ·001	− ·06
					·000	− ·05
6860	9·0	Z	24·1	1	− ·010	− ·07
6861	7·5	G	22·1	4	− ·002	− ·05
		8o	21·9	3	− ·002	·00
					− ·002	− ·02
6862	8·0	G	22·0	4	+ ·001	− ·01
		8o	20·9	3	− ·006	·00
					− ·002	·00
6866	8·3	Z	25·6	2	− ·012	− ·05
6869	9·1	Z	24·9	1	− ·003	− ·03
6870	9·5	Z	23·1	1	− ·010	·00
6871	9·3	Z	25·7	2	− ·005	+ ·04
6872	8·5	G	20·1	6	− ·004	− ·15
		Ms	13·1	4	− ·013	− ·14
		8o	19·5	3	− ·006	− ·15
					− ·005	− ·15
6873	9·0	Z	24·0	2	− ·003	·00
6874	8·4	Z	25·8	1	− ·004	− ·03
6875	8·9	Z	25·7	2	− ·006	+ ·03
6876	6·5	G	23·5	5	− ·007	− ·07
		Ms	12·6	5	+ ·001	− ·22
		8o	19·2	3	− 002	+ ·01
		9o	6·7	7	+ ·004	− ·07
					− ·005	− ·02
6877	9·5	Z	23·7	1	− ·007	− ·06
6878	9·2	Z	24·9	2	+ ·010	− ·10
6879	8·8	Z	25·8	1	− ·009	− ·04
6880	8·0	G	18·9	3	− ·004	− ·14
		Z	25·0	1	− ·002	+ ·09
					− ·004	− ·09
6881	8·9	Z	25·0	2	− ·006	− ·05
6884	8·4	G	17·9	3	·000	− ·01
		Z	24·9	2	− ·009	+ ·02
		Ms	15·8	5	− ·002	− ·18
					− ·002	− ·07
6887	9·0	Z	23·1	1	− ·008	− ·03
6889	9·1	Z	25·0	1	− ·007	− ·01
6891	8·3	G	19·9	4	− ·010	− ·08
		Z	24·9	2	− ·008	− ·05
		Ms	15·3	5	+ ·008	− ·07
					− ·007	− ·07
6892	8·6	G	18·9	3	+ ·003	− ·06
		Z	25·9	2	− ·002	− ·01
					+ ·002	− ·04
6893	8·5	Z	25·9	2	− ·010	+ ·03
6894	8·7	G	18·7	3	−0·001	−0·04
		Z	25·7	1	− ·006	− ·09
		Ms	27·6	10	− ·001	− ·07
					− ·001	− ·07
6895	8·0	Z	23·0	1	− ·008	− ·08
6896	8·0	G	18 6:18·7	3:4	+ ·002	− ·18
		Z	25·0	1	− ·008	·00
					+ ·001	− ·16
6897	8·5	G	16·9	3	− ·002	+ ·05
		Z	24·0	1	− ·010	− ·03
		Ms	14·9	4	− ·004	− ·01
					− ·003	+ ·01
6898	9·0	Z	23·1	1	− ·004	− ·11
6899	9·5	Z	23·3	1	− ·010	− ·09
6900	9·2	G	17·8	3	− ·005	− ·06
6901	6·5	t	63·2:63·6	2:4	+ ·007	− ·06
		G	24·0	4	− ·002	− ·12
		Ms	15·5	5	+ ·001	− ·03
		8o	21·9	3	+ ·008	− ·06
		9o	9·4	12	+ ·012	− ·10
					+ ·006	− ·07
6902	7·1	4o	63·0	2	...	− ·01
		G	24·8	6	− ·003	+ ·01
		8o	22·8	3	− ·003	+ ·03
					− ·003	·00
6903	7·8	G	19·8	3	·000	− ·14
		Z	25·8	2	− ·008	·00
					− ·002	− ·09
6904	10·0	Z	23·1	1	− ·006	− ·04
6905	8·0	G	16·2	3	·000	− ·07
		Z	23·3	1	− ·003	− ·10
					·000	− ·08
6906	9·5	Z	25·0	1	− ·015	− ·02
6907	8·9	Z	25·8	2	− ·009	− ·01
6909	6·0	t	61·2:61·6	7:8	− ·003	− ·01
		4o	58·2	1	− ·003	...
		5o	45·9:46·9	2:1	− ·001	− ·01
		M	31·8	4	− ·005	+ ·01
		G	22·8	4	− ·005	− ·04
		Ms	14·9	6	+ ·001	− ·10
		8o	21·9	3	+ ·002	+ ·04
					− ·003	− ·01
6910	8·3	G	21·3	8	+ ·001	− ·04
		8o	22·7	3	+ ·002	− ·02
					+ ·001	− ·03
6912	8·1	G	19·9	3	+ ·001	− ·08
		Z	25·9	2	− ·007	·00
					− ·001	− ·05
6913	10·0	Z	23·0	1	− ·015	− 05
6914	9·0	Z	23·1	1	− ·007	− ·09
6915	9·0	Z	25·0	1	− ·006	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	
6916	8·1	G	21·8	4	−0·006	−0·07
		80	21·8	3	− ·006	·00
					− ·006	− ·03
6917	8·7	Z	25·8	1	− ·006	− ·04
6918	9·0	Z	25·0	1	− ·004	− 02
6919	8·5	Z	23·1	1	− ·005	− ·12
6920	9·0	Z	23·4	2	− ·007	·00
6922	7·0	G	21·9	4	·000	− ·03
		80	21·9	3	− ·001	− ·03
					000	− ·03
6923	8·0	Z	25·0	1	− 007	− ·05
6924	8·8	Z	25·0	1	− ·006	− ·01
6925	9·3	Z	25·7	1	− ·002	+ ·04
6927	6·5	t	60·9:60·8	2:3	− ·007	− ·05
		G	24·9	4	− ·002	− ·04
		80	22·8	3	+ ·001	− ·04
					− 004	− ·05
6928	7·4	G	17·9	3	+ ·006	− ·06
		Z	25·0	1	− ·010	− ·13
		Ms	15·9	4	+ ·007	− ·06
					+ ·004	− ·07
6929	8·6	Z	26·0	1	− ·003	·00
6930	8·5	Z	23·0	1	− ·003	− ·04
6931	9·0	Z	23·3	1	·000	− ·08
6932	8·5	G	17·0	3	− ·001	+ ·05
		Z	24·1	1	− ·006	·00
					− 002	+ ·04
6933	8·5	Z	24·0	1	+ ·003	− ·05
6935	8 8	Z	25·7	1	− ·005	+ ·05
6936	9·0	Z	23·1	1	− ·009	− ·05
6937	7·5	G	16·3:16·4	3	− ·001	·00
		Z	23·5:23·6	1	− ·005	− ·01
					− ·002	·00
6938	·3	G	22·0	4	+ ·002	− ·04
		Ms	15·0	5	+ ·003	− ·19
		80	21·9	4	+ ·004	− ·03
					+ ·003	− ·06
6939	8·8	Z	24·0	1	·000	− ·07
6940	9·3	Z	25·0	2	− ·008	− ·04
6942	9·4	G	17·8	3	·000	+ ·04
		Z	25·0	1	− ·011	− ·02
					− ·002	+ ·03
6943	6·5	t	60·7	3	+ ·003	·00
		50	46·7:48·3	2	+ ·005	− ·01
		G	24·5	4	+ ·002	+ ·03
		80	22·6	3	+ ·007	+ ·04
					+ ·004	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	
6945	7·0	G	22·0	8	−0·007	−0·07
		Ms	24·8	5	− ·013	− ·02
		80	19·0	3	− ·006	− ·04
					− ·008	− ·05
6946	9·0	G	16·0	3	− ·004	+ ·03
		Z	23·2	1	− ·009	− ·13
					− ·005	·00
6948	9·0	Z	26·0	1	− ·008	− ·11
6949	8·5	G	17·8	4	+ ·001	+ ·03
		Z	25·0	1	− ·011	+ ·02
					− ·001	+ ·03
6953	9·5	Z	23·6	1	− ·006	− ·10
6954	9·4	Z	25·0	1	− ·010	− ·01
6956	4·0	t	64·2:64·1	3:4	− ·002	− ·14
		40	56·0	1	− ·004	...
		50	44·2:45·7	2	+ ·006	− ·13
		60	36·6	2	+ ·005	− ·14
		65	29·0	3:4	·000	− ·14
		M	31·6:31·3	6:5	·000	− ·12
		G	20·9	4	+ ·003	− ·16
		Ms	18·8	5	− ·002	− ·14
		80	19·0	3	− ·002	− ·14
		85	12·0	3	+ ·002	− ·13
		90	6·2	11	+ ·003	− ·16
					·000	− ·14
6957	6·5	G	23·3:23·4	5	·000	− ·12
		80	19·3:19·4	3	+ ·002	+ ·01
					+ ·001	− ·04
6958	9·2	G	15·9	2	·000	− ·04
		Z	25·0	1	− 006	− ·01
					− ·001	− ·03
6959	9·0	G	14·2	2	− ·010	− ·19
		Z	23·3	1	− ·009	− ·06
					− ·010	− ·16
6960	9·0	Z	25·7	1	− ·017	− ·02
6961	7·5	G	18·8	3	+ ·006	− ·06
		Z	25·0	2	·000	+ ·05
					+ ·005	− ·02
6962	7·0	G	22·9	4	− ·007	− ·03
		Ms	15·9	5	− ·004	− ·08
		80	20·9	3	− ·003	− ·03
					− ·005	− ·04
6964	9·3	Z	24·9	1	·000	·00
6965	9·0	Z	23·1	1	− ·008	− ·06
6967	9·0	G	16·3	3	− ·006	− ·07
		Z	23·5	1	− ·008	− ·09
					− ·006	− ·07
6969	9·3	Z	26·0	1	− ·012	+ ·04
6970	7·3	G	22·9	4	− ·003	− ·03
		Ms	15·9	5	+ ·006	− ·05
		80	21·9	3	+ ·004	+ ·05
					+ ·001	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
6972	8·8	Z	26·0	1	−0·005	+0·12
6975	9·0	Z	23·1	1	− ·004	− ·10
6977	8·0	G	22·0	5	− ·002	− ·18
		80	20·0	3	− ·002	− ·12
					− ·002	− ·14
6978	8·0	G	16·2	3	− ·004	+ ·02
		Z	23·3	1	− ·006	− ·08
					− ·004	·00
6979	8·2	40	63·1	2	...	− ·02
		G	21·3	5	− ·005	+ ·03
		80	21·8	3	− ·001	− ·05
					− ·004	− ·02
6981	8·1	G	20·2:20·1	4:5	− ·007	− ·11
		Z	25·0	1	− ·002	− ·06
					− ·006	− ·10
6982	8·8	Z	23·8:23·9	2	− ·001	·00
6983	9 0	Z	23·8	1	− ·003	− ·04
6984	9·3	Z	23·6	1	− ·016	− ·07
6987	6·0	G	21·4	4	+ ·004	− ·15
		80	19·4	3	+ ·010	− ·15
		90	2·6	10	·000	− ·35
					+ ·007	− ·15
6988	8·1	G	18·9	3	− ·008	− ·05
		Z	26·0	1	− ·009	− ·03
					− ·008	− ·05
6989	8·9	60	40·2	4	+ ·001	− ·03
		G	18·9	3	− ·001	+ ·04
		Z	26·0	1	− ·003	− ·05
					·000	− ·02
6990	8·0	G	17·7	3	+ ·006	− ·04
		Z	23·7:23·8	2	− ·006	− 04
					+ ·004	− ·04
6991	9·0	Z	23·6	1	− ·007	+ ·01
6992	7·9	G	18·9	3	− ·010	− ·09
		Z	26·0	1	− ·010	·00
					− ·010	− ·07
6996	9·0	Z	23·2	1	− ·001	− ·07
6997	8·9	Z	25·0	2	·000	− ·04
6998	7·0	G	22·9	4	− ·001	− ·08
		80	21·9	3	− ·001	− ·02
					− ·001	− ·04
6999	9·1	Z	24·0	1	− ·005	− ·03
7001	8·0	G	21·1	4	− ·002	− ·04
		Ms	14·0	5	− ·007	− ·11
		80	19·1	3	− ·001	− ·02
					− ·002	− ·04
7002	7·0	G	24·4	8	− ·019	+ ·01
		80	20·9	3	− ·015	+ ·05
					− ·018	+ ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7004	8·2	G	19·9	4	−0·004	−0·07
		Z	25·0	1	− ·005	− ·07
					− ·004	− ·07
7005	7·5	G	22·9	4	+ ·009	− ·17
		80	22·0	3	+ ·008	− ·19
					+ ·008	− ·18
7006	6·0	t	62·8:62·9	3	− ·004	− ·06
		40	57 9	1	− ·007	...
		50	46·0:47·4	2	− ·001	− ·03
		M	31·8	3	− ·005	− ·02
		G	22·8	4	− ·001	− ·04
		80	21·9	3	− ·003	− ·02
					− ·004	− ·04
7007	8·0	G	20·4:20·5	7:8	− ·002	− ·05
7008	8·0	G	18·8	3	+ ·001	+ ·05
		Z	25·9	1	− ·004	+ ·02
					·000	+ ·04
7009	9·6	60	40·1	5:4	+ ·002	− ·03
		G	18·9	3	+ ·003	+ ·06
					+ ·002	− ·02
7010	9·5	G	18·8	3	− ·001	− ·06
		Z	25·0	1	− ·012	− ·08
					− ·003	− ·06
7011	9·0	Ms	13·7	3	− ·006	− ·01
7012	9·0	G	26·0	2	− ·010	− ·07
7013	6·0	G	22·0	4	− ·005	− ·03
		Ms	14·0	5	− ·011	− ·01
		80	19·1	3	− ·003	− ·02
					− ·005	− ·02
7014	9·4	Z	25·0	1	− ·014	− ·16
7015	5·5	t	60·7:60·4	3:4	− ·005	− ·04
		40	58·7	1	− ·003	...
		50	46·6:49·1	2:3	− ·002	− ·05
		G	24·6	4	− ·009	− ·04
		80	22·6	3	− ·004	− ·02
		m	18·6	4	·000	+ ·04
		90	7·7	10	·000	− ·01
					− ·004	− ·03
7017	8·6	G	23·8	4	− ·003	− 04
		Z	25·9	1	− ·004	− 04
					− ·003	− ·04
7019	9·0	Z	23·1	1	·000	− ·01
7022	8·0	G	18·5	4	− ·001	− ·01
		Z	23·6	1	− ·005	·00
		Ms	26·6	5	− ·002	− ·01
					− ·002	− ·01
7023	9·4	Z	24·0	2	− ·011	− ·01
7024	8·0	G	22·8	4	− ·002	− ·02
		80	21·9	3	·000	+ ·03
					− ·001	+ ·01
7025	9·0	Z	23·9	1	− ·014	− ·10
7026	8·3	G	17·8	4	+ ·004	+ ·04
		Z	25·0	1	− ·004	+ ·02
					+ ·003	+ ·04
7027	9·0	Z	23·1	1	−0·013	−0·03
7028	8·5	Z	25·0	1	− ·005	− ·05
7030	9·5	Z	23·1	1	+ ·003	− 06
7031	9·4	60	40·0	6	+ ·007	− ·06
		G	18·9	3	+ ·011	+ ·01
		Z	26·0	1	− ·010	− ·12
					+ ·007	− ·06
7032	8·4	G	17·9	3	− ·005	+ ·05
		Z	25·0	2	− ·008	− ·05
					− ·006	+ ·02
7034	8·6	G	18·6	3	+ ·002	+ ·02
		Z	25·7	1	− ·005	− ·09
					+ ·001	·00
7035	7·5	G	21·2	4	+ ·002	+ ·01
		Z	26·0	1	− ·006	+ ·07
					+ ·001	+ ·02
7036	8·5	G	21·1	4	− ·003	− 04
		Ms	13·2	5	− ·002	·00
		80	19·2	3	− ·003	− ·03
					− ·003	− 03
7037	9·1	Z	25·0	1	− ·008	− 06
7038	8·9	Z	25·0	1	− ·002	− ·05
7042	8·7	Z	25·7	1	− ·001	− ·06
7043	7·5	G	23·0	4:5	− ·001	− ·06
		80	22·8	3	− ·009	·00
					− ·005	− ·02
7046	8·9	Z	25·0	1	− ·026	− ·24
7047	9·0	Z	23·5	1	− ·009	− ·01
7048	9·3	Z	25·0	3	− ·010	− ·05
7049	9·0	Z	23·8	1	− ·007	+ ·02
7050	8·5	Z	24·4	2	·000	+ ·01
7051	8·0	G	19·6	4	− ·017	+ ·02
		Z	25·7	1	− ·023	− ·02
					− ·018	+ 02
7052	8·5	Z	23·6	1	− ·004	− ·05
7054	8·5	G	18·7	3	·000	+ ·02
		Z	25·8	1	+ ·001	+ ·03
					·000	+ ·02
7055	9·0	Z	25·0	2	− ·009	− ·05
7056	7·8	G	19·8	2	− ·001	− ·02
		Z	25·9	1	+ ·002	− c2
					·000	− ·02
7057	8·5	G	16·7	3	− ·040	+ ·01
		Z	23·8	1	− ·015	− ·01
					− ·036	+ ·01
7058	8·3	Z	24·0	2	+ ·003	·00
7059	8·6	G	17·8	3	+0·003	−0·10
		Z	25·0	1	− ·006	− ·20
					+ ·002	− ·12
7060	9·0	Z	25·8	1	− ·001	− ·05
7061	8·2	Z	25·0	1	− ·004	− ·07
7062	8·5	G	17·0	3	− ·003	+ ·02
		Z	24·0	2	− ·007	− ·01
					− ·004	+ ·01
7065	8·3	G	18·8	2	− ·008	− ·02
		Z	25·9	1	− ·008	− 08
					− ·008	− ·03
7066	8·3	Z	26·4	2	− ·001	·00
7068	8·3	G	18·6	4	− ·002	+ ·03
		Z	25·0	2	− ·007	+ ·06
					− ·003	+ ·04
7069	8·7	Z	25 0	2	− ·004	− 03
7071	7·5	G	22·9	5:6	− ·002	− ·03
		80	20·9	3	− ·006	+ ·01
					− ·003	− ·01
7073	8·5	Z	23·3	1	− ·017	− ·04
7076	7·0	G	22·6	7	− ·008	− ·05
		Ms	13·1	5	− ·002	·00
		80	19·6	3	− ·007	− ·03
					− ·007	− ·03
7078	8·6	G	18·6	3	− ·004	− ·01
		Z	25·7	1	− ·004	·00
					− ·004	− ·01
7082	9·0	Z	24 0	2	− ·003	− ·01
7083	9·0	Z	24·4	2	+ ·003	·00
7086	9·4	Z	26·0	1	− ·010	− 05
7087	7·5	G	21·5	4	− ·011	− ·11
		80	19·6	3	− ·011	− ·07
					− ·011	− ·09
7088	7·8	G	22·8	4	− ·002	− ·04
		80	21·9	3	+ ·005	− ·05
					+ ·001	− ·05
7091	8·2	Z	25·8	1	− ·009	− ·06
7092	8·5	Z	24·1	1	− ·008	− ·12
7093	7·5	G	21·6	4	− ·001	− ·07
		80	19·6	3	− ·007	− ·03
					− ·004	− ·05
7094	8·0	Z	24·9	1	+ ·014	− ·04
7095	8·3	Z	24·9	1	− ·004	− ·10
7096	8·5	Z	25·0	1	− ·005	− ·04
7097	7·8	G	23·9	4	·000	− ·03
		80	22·9	3	+ ·003	+ ·03
					+ ·001	+ ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7100	7·0	t	59·8	3	−0·004	−0·04
		5o	45·9:47·2	2:3	− ·002	− ·04
		G	23·8	7	− ·008	− ·06
		8o	21·8	3	− ·003	·00
					− ·004	− ·04
7101	7·0	4o	61·9	4	·000	...
		G	23·9	4	− ·006	− ·09
		8o	21·9	3	− ·004	− ·04
					− ·001	− ·06
7102	Var.	G	23·8	5	− ·005	− ·10
		8o	21·9	3	+ ·002	− ·03
					− ·003	− ·06
7103	8·0	t	59·3:59 5	3	+ ·003	− ·03
		5o	44·0:46·0	2:1	+ ·005	− ·02
		G	22·1	4	− ·004	− ·04
		Ms	14·0	5	− ·005	− ·04
		8o	19·0	3	− ·005	− ·02
					+ ·001	− ·03
7104	7·0	G	24·6	4	− ·009	− ·14
		Ms	15·5	5	− ·001	− ·12
		8o	22·6	3	− ·003	− ·07
		9o	9·5:9·4	6	− ·002	− ·10
					− ·005	− ·10
7108	9·0	Z	24·1	1	− ·010	− ·05
7109	8·8	G	22·8	4	− ·003	− ·03
		8o	21·8	3	− ·003	·00
					− ·003	− ·01
7111	9·4	Z	25·0	1	− :009	− ·05
7112	8·5	Z	23·9	2	− ·002	− ·02
7113	7·5	G	20 8	5	− ·006	− ·02
		Z	25·1	1	− ·006	− ·07
					− ·006	− ·03
7115	6·0	t	62·0:61·8	3	+ ·003	− ·06
		5o	44·9:45·1	2:3	+ ·005	− ·02
		G	23·7	8	+ ·001	− ·03
		Ms	14·3	4	+ ·004	− ·01
		8o	19·8	3	− ·004	− ·01
		m	16·7	3:4	+ ·004	+ ·04
					+ ·002	− ·03
7116	9·0	Z	24·5	2	+ ·001	− ·02
7117	8·9	Z	26·0	1	− ·003	·00
7118	8·7	G	17·8	3	+ ·001	+ ·03
		Z	24·9	1	− ·007	− ·04
					·000	+ ·02
7119	8·7	Z	25·8	2	− ·010	+ ·03
7123	9·5	Z	24 9	1	− ·011	·00
7124	9·5	Z	23·9	1	+ ·010	+ ·07
7126	8·3	G	17·2	4	− ·001	− ·02
		8o	24·5	2	− ·007	+ ·01
					− ·003	·00
7127	8·2	G	22·9	4	+ ·001	− ·07
		8o	21·9	3	+ ·002	− ·03
					+ ·001	− ·05
7128	7·8	G	18·7	3	−0·003	−0·07
		Z	25·8	1	− ·009	·00
					− ·004	− ·06
7129	8·3	G	19·9	3:4	+ ·006	− ·02
		Z	25·0	1	− ·002	− ·03
					+ ·005	− ·02
7131	5·0	t	66·0:64·2	6:5	− ·009	+ ·04
		4o	57·0	1	− ·001	...
		5o	45 0:46·5	2	+ ·001	+ ·06
		6o	38·1:38·0	6:7	·000	+ ·04
		M	32·5:32·3	6:5	·000	+ ·05
		G	22·0	4	+ ·002	·00
		Ms	19·3	5	+ ·008	+ ·06
		8o	20·0	3	− ·005	+ ·04
		9o	6·6	10	+ ·005	− ·02
					− ·002	+ ·04
7133	9·3	Z	26·0	1	− ·012	·00
7134	8·9	G	18·8	3	− ·008	− ·17
		Z	26·0	1	− ·015	− ·26
					− ·009	− ·19
7135	8·0	G	24·3	4	− ·009	− ·05
		8o	20·9	3	− ·003	− ·03
					− ·006	− ·04
7136	8·8	Z	26·0	1	− ·012	+ ·12
7139	9·5	Z	24·9	1	+ ·002	+ ·10
7142	9·3	Z	23·3	1	− ·015	·00
7143	9·3	Z	25·0	2	− ·015	+ ·02
7144	9·0	Z	23·6	1	+ ·001	− ·05
7146	8·4	Z	25·0	1	− ·001	− ·18
7147	9·5	Z	26·0	1	− ·012	− ·12
7148	8·0	G	18·0	4	− ·003	− ·07
		Z	23·5	2	− ·006	− ·05
		Ms	13·7	5	+ ·005	(− ·25)
					− ·002	− ·07
7149	8·0	G	21·6	5	+ ·005	− ·02
		8o	21·9	3	+ ·010	+ ·03
					+ ·007	+ ·01
7151	7·9	G	18·9	3	− ·005	+ ·03
		Z	26·4	2	− ·008	+ ·05
					− ·006	+ ·04
7152	8·8	G	20·8	12:10	− ·001	− ·11
		8o	20 0	4	− ·005	− ·05
					− ·002	− ·08
7154	8·4	G	18·9	3	− ·006	+ ·06
		Z	26·0	1	− 011	+ ·02
					− ·007	+ ·05
7156	7·0	G	23·3	10	− ·001	+ ·01
		8o	23·0	3	+ ·005	+ ·04
					·000	+ ·02
7158	9·0	G	23 1	1	− ·008	+ ·04
		Z	24·1	2	+ ·001	+ ·04
					− ·004	+ ·04
7159	7·1	G	21·9	4	−0·008	+0·01
		8o	22·9	3	− ·004	+ 03
					− ·006	+ ·02
7161	9·4	Z	26·0	1	− ·012	+ ·04
7162	6·5	5o	44·9:46·5	2	− ·003	− ·01
		G	22·9	4	− ·003	·00
		Ms	13·6	5	+ ·011	+ ·06
		8o	19·9	3	+ ·003	+ ·03
					− ·001	·00
7163	6·0	t	63·1:63·7	3:4	·000	− ·03
		5o	45·9:48·3	1:2	− ·001	− ·01
		G	23·9	4	− ·007	− ·07
		Ms	15·9	5	+ ·003	− ·08
		8o	21·9	3	− ·004	− ·03
					− ·002	− ·03
7164	8·9	G	15·8	2	− ·004	− ·07
		Z	24·9	1	− ·014	− ·04
					− ·006	− ·06
7165	7·8	G	23·8	4	− ·008	− ·19
		8o	20·5	3	− ·005	− ·13
					− ·006	− ·15
7166	8·0	G	19·0	4	− ·006	− ·04
		Z	24·9	1	− ·005	+ ·09
					− ·006	− ·03
7167	7·3	G	22·3	5	− ·001	− ·04
		8o	21·9	3	− ·005	·00
					− ·002	− ·02
7168	9·0	Z	24·1	1	+ ·002	+ ·01
7170	9·0	Z	25·9	1	− ·012	− ·03
7172	9·0	G	16·9	3	+ ·001	− ·08
		Z	24·9	1	+ ·002	− ·03
					+ ·001	− ·07
7173	8·5	G	20·7	4	− ·005	− ·03
		Z	24·9	1	− ·003	− ·10
					− ·005	− ·04
7174	7·6	G	19·8	8	·000	− ·02
		8o	20·5	3	·000	− ·06
					·000	− ·05
7175	7·5	G	24·0	3:4	− ·009	− ·07
		8o	22·0	3	− ·006	− ·02
					− ·007	− ·04
7177	8·7	Z	26·3	2	+ ·003	− ·03
7178	8·0	G	20·7	14	− ·004	− ·06
		Ms	14·0	5	− ·005	− ·09
		8o	19·0	3	− ·005	− ·03
					− ·004	− ·05
7179	9·5	G	17·9	3	+ ·002	− ·01
		Z	25·0	1	− ·005	·00
					+ ·001	− ·01
7180	8·0	G	20·7	5	− ·002	− ·01
		8o	19 9	2	− ·005	− ·06
					− ·003	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7181	8·0	G	18·1	4	+0·005	−0·12
		Z	25·0	1	− ·010	− ·08
					+ ·003	− ·12
7182	9·1	G	16·9	2	·000	·00
		Z	26·0	1	− ·012	− ·05
					− ·003	− ·01
7184	9·2	G	15·8	2	− ·007	+ ·15
		Z	25·0	1	− ·011	− ·02
					− ·008	+ ·12
7185	8·5	G	16·0	4	+ ·003	− ·01
		Z	23·9	1	− ·003	− ·03
					+ ·002	− ·01
7186	8·0	G	20·8	4	− ·005	− ·04
		Z	24·9	1	− ·006	− ·09
					− ·005	− ·05
7187	8·5	G	16·4	3	− ·006	+ ·02
		Z	23·5	1	− ·016	− ·06
					− ·007	·00
7189	9·5	G	16·8	3	− ·002	− ·02
		Z	24·9	1	+ ·002	+ ·04
					− ·001	− ·01
7190	9·2	G	17·8	4	− ·002	+ ·03
		Z	25·0	1	− ·012	+ ·08
					− ·003	+ ·04
7191	7·5	t	59·9	3	− ·008	− ·02
		G	21·7	5	− ·010	− ·06
		8o	22·0	3	− ·003	·00
					− ·008	− ·02
7193	8·5	Z	24·9	1	− ·006	− ·02
		9o	9·8	2	− ·006	− ·07
					− ·006	− ·02
7194	8·0	Z	25·0	1	− ·002	− ·07
7195	9·5	G	15·9	3	+ ·013	+ ·02
		Z	24·0	1	+ ·005	+ ·03
		Ms	29·6	5	+ ·007	·00
					+ ·010	+ ·01
7197	9·0	Z	24·0	1	− ·022	− ·30
7199	8·2	G	18·9	4	− ·005	+ ·03
		Z	26·0	1	− ·008	·00
					− ·005	+ ·03
7201	8·3	Z	24·7	1	− ·001	+ ·04
7202	8·8	Z	26·0	2	− ·004	·00
7203	9·5	Z	24·7	1	+ ·001	+ ·06
7204	9·3	Z	24·9	2	− ·005	− ·06
7205	7·6	G	18·7	3	+ ·002	− ·08
		Z	26·7	1	+ ·005	− ·10
					+ ·002	− ·08
7207	9·0	Z	23·6	1	− ·006	− ·06
7208	9·0	Z	25·1	1	− ·013	− ·09
7209	8·8	Z	25·0	1	− ·007	− ·13

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7210	7·5	G	21·2	4	−0·001	−0·10
		8o	19·2	3	− ·001	− ·11
					− ·001	− ·11
7213	8·4	G	20·9	3	+ ·007	− ·12
		8o	21·0	3	·000	− ·09
					+ ·003	− ·10
7214	8·8	Z	26·7	1	·000	·00
7216	9·0	Z	26·0	1	− ·009	− ·04
7218	9·0	Z	23·1	1	− ·013	+ ·02
7219	7·2	5o	45·9:47·5	2	+ ·001	·00
		G	23·6:23·7	14:15	− ·003	− ·03
		Ms	13·9	5	+ ·001	− ·01
		8o	20·9	3	− ·003	+ ·03
					− ·002	·00
7220	8·5	Z	24·3	1	− ·005	+ ·02
7221	9·4	Z	26·7	1	− ·006	− ·06
7222	7·3	G	23·8	4	− ·005	− ·06
		8o	21·8	3	+ ·006	− ·06
					·000	− ·06
7223	8·6	Z	24·7	1	+ ·015	+ ·03
7224	9·6	Z	26·0	1	− ·013	− ·29
7225	8 8	Z	25·0	1	− ·006	− ·04
7226	9·0	G	21·9	3:4	− ·001	− ·03
7227	7·5	G	22·5	5	− ·006	− ·03
		8o	19·0	3	− ·004	+ ·03
					− ·005	+ ·01
7231	9·4	G	22·7	5:4	− ·003	− ·04
		8o	21·8	2	− ·003	− ·06
					− ·003	− ·05
7232	9·3	G	17·9	3	·000	− ·02
		Z	25·0	1	− ·006	− ·01
					− ·001	− ·02
7233	9·5	Z	24·1	1	+ ·008	+ ·09
7234	9·1	Z	25·1	1	− ·010	− ·06
7237	6·3	t	61·6:61·9	3	− ·002	− ·12
		5o	44·6:46·3	2	− ·004	− ·14
		G	22·7	4	− ·012	− ·12
		8o	19·7	3	− ·003	− ·11
		m	10·7:16·6	3:4	− ·006	− ·08
					− ·004	− ·12
7238	8·4	G	19·5	4	+ ·001	− ·01
		Z	26·3	2	− ·004	− ·02
					·000	− ·01
7239	8·5	G	15·7	2	− ·005	− ·10
		Z	24·9	1	− ·014	+ ·01
					− 007	− ·08
7240	9·0	Z	24·1	1	+ ·002	+ ·06
7241	9·1	Z	25·0	1	− ·008	− ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7242	8·3	G	19·9	4	+0·070	−0·18
		Z	25·0	1	+ ·066	− ·24
					+ ·069	− ·19
7244	9·3	Z	26·9	1	+ ·002	− ·01
7248	8·8	G	19·7	3	− ·003	− ·01
		Z	24·9	1	− ·008	+ ·01
					− ·006	− ·01
7249	8·0	G	19·1	4	− ·004	− ·03
		Ms	14·1	3	− ·002	+ ·03
		8o	19·2	3	− ·009	− ·02
					− ·006	− ·02
7251	8·4	G	18·8	4:3	− ·004	− ·09
		Z	24·7	1	− ·002	− ·02
					− ·004	− ·08
7252	9·0	G	18·9	3	+ ·002	− ·04
		Z	26·1	1	− ·005	+ ·03
					+ ·001	− ·03
7253	9·0	G	14·1	2	− ·005	− ·06
		Z	24·0	1	− ·007	− ·04
					− ·005	− ·06
7255	7·5	G	22·0	8	− ·002	− ·06
		Ms	13·9	5	− ·002	− ·01
		8o	19·0	3	− ·002	− ·05
					− ·002	− ·05
7256	8·5	G	17·8	3	+ ·001	− ·01
		Z	24·9	1	− ·003	− ·07
					·000	− ·02
7259	7·0	G	22·6	11	+ ·003	− ·10
		8o	19·2	4	+ ·004	− ·05
					+ ·003	− ·08
7260	8·8	G	19·7	3	− ·005	+ ·01
		Z	26·0	1	− ·009	− ·07
					− ·006	− ·01
7261	9·2	Z	24·9	1	− ·004	− ·04
7262	7·5	G	23·1	5	− ·002	− ·04
		8o	22·9	3	·000	− ·03
					− ·001	− ·03
7263	8·0	G	20·9	6	− ·004	− ·01
		Z	26·5	2	− ·003	− ·02
					− ·004	− ·01
7267	7·0	5o	44·1:45·6	2	+ ·001	− ·08
		G	21·9	4	− ·003	− ·06
		8o	18·0	4	·000	− ·08
					·000	− ·08
7268	8·5	G	18·9	3	− ·006	− ·02
7272	8·0	5o	45·7:47·3	2	+ ·002	+ ·01
		M	30·7	3	+ ·002	+ ·04
		G	22·7	4	·000	+ ·03
		Ms	15·2	5	− ·003	+ ·16
		8o	20·7	3	·000	+ ·03
					+ ·002	+ ·03
7273	9·1	Z	24·9	1	− ·011	+ ·01
7276	9·0	G	17·8	3	− ·008	− ·03
		Z	25·0	1	− ·011	− ·04
					− ·008	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7280	9·5	Z	24·0	1	+0·007	−0·03
7281	7·5	G	19·9	3	+ ·002	− ·09
		Z	26·0	1	·000	− ·05
					+ ·002	− ·08
7282	6·2	t	60·4	3	− ·036	− ·26
		G	24·8	4	− ·047	− ·25
		Ms	15·5	5	− ·046	− ·25
		8o	22·8	3	− ·033	− ·21
					− ·038	− ·25
7283	8·9	Ms	15·8	3	+ ·014	− ·11
7284	9·7	Z	25·0	1	− ·011	+ ·01
7285	8·8	Z	25·1	1	− ·010	− ·05
7286	8·0	Z	26·5	2	− ·003	− ·07
7289	8·0	G	21·2	5	− ·002	+ ·02
		8o	21·4	3	− ·004	+ ·04
					− ·003	+ ·03
7290	9·3	G	15·9	2	− ·001	− ·04
		Z	25·1	1	− ·009	− ·04
					− ·003	− ·04
7291	8·0	Z	26·1	1	·008	− ·04
7292	5·8	t	58·4:56·4	5:6	+ ·007	− ·12
		5o	45·0:45·5	2	+ ·002	− ·09
		G	17·5	11	− ·002	− ·13
		8o	19·0	3	+ ·005	− ·09
		9o	5·1	12	+ ·008	− ·14
					+ ·003	− ·11
7293	8·2	G	17·8	3	− ·001	+ ·04
		Z	24·9	2	− ·003	+ ·02
					− ·001	+ ·03
7294	8·5	G	14·7	2	·000	− ·14
		Z	23·8	1	+ ·001	− ·02
					·000	− ·12
7295	8·4	Z	26·1	2	− ·005	+ ·02
7297	6·0	t	61·2:61·9	3:4	− ·006	− ·01
		5o	44·2:45·7	2	+ ·001	+ ·01
		G	22·2	6	− ·006	− ·02
		Ms	13·1	5	+ ·002	+ ·03
		8o	19·2	3	− ·008	+ ·04
					− ·004	·00
7298	8·0	G	19·3	4	− ·005	− ·05
		8o	19·3	3	− ·011	− ·04
					− ·008	− ·04
7299	8·5	G	18·8	3	·000	− ·02
		Z	26·3	2	− ·006	+ ·04
					− ·001	·00
7300	8·3	G	18·9	4	·000	− ·02
		Zj	24·8	1	+ ·003	− ·01
		m	16·8	3	− ·001	+ ·02
					·000	·00
7304	8·5	G	16·0	5	− ·005	− ·01
		Z	23·1	1	− ·017	− ·07
					− ·006	− ·02
7308	7·5	G	24·7	3:4	−0·008	−0·06
		8o	21·8	3	+ ·003	− ·01
					− ·002	− ·03
7309	9·0	Z	25·0	1	− ·010	+ ·03
7310	8·3	G	16·9	2	− ·002	− ·02
		Z	26·1	1	+ ·003	·00
					− ·001	− ·02
7312	9·5	Z	26·0	1	− ·008	− ·03
7313	8·5	Z	23·7	1	+ ·010	− ·11
7314	8·0	G	19·9	4	− ·005	− ·03
		8o	19·9	3	− ·004	− ·01
					− ·004	− ·02
7315	8·3	G	17·9	3	− ·001	+ ·07
		Z	25·1	1	− ·009	− ·02
					− ·002	+ ·05
7316	8·2	G	17·9	3	+ ·001	− ·04
		Z	24·9	1	− ·003	− ·04
					·000	− ·04
7317	8 3	G	19·0	4	− ·002	·00
7319	8·8	Z	24·8	1	+ ·002	+ ·06
7320	8·0	G	18·5	6	− ·004	− ·05
		Z	24·9	1	·000	+ ·03
					− ·004	− ·04
7321	8·5	Z	25·0	1	− ·007	− ·07
		Ms	15·9	5	+ ·003	− ·02
					− ·002	− ·03
7323	10·0	Z	24·7	1	− ·001	+ ·03
		Ms	14·1	5	− ·006	(− ·19)
					− ·004	+ ·03
7324	9·3	Z	25·0	1	− ·004	− ·03
7325	8·0	G	21·8	4	− ·006	− ·02
		8o	21·8	3	− ·003	+ ·01
					− ·004	·00
7326	8·8	Z	27·0	1	+ ·009	− 05
7331	9 0	G	16·2	3	− ·003	− ·04
		Z	23·3	1	− ·005	− ·06
					− ·003	− ·04
7332	8·5	G	20·7	4	− ·002	− ·03
		Z	24·9	1	− ·005	− ·04
					− ·002	− ·03
7333	8·0	G	19·7	4	− ·004	− ·06
		8o	20·9	3	− ·003	+ ·01
					− ·003	− 02
7334	8·0	G	20·3	4:5	− ·004	+ ·01
		8o	19·2	3	− ·007	− ·02
					− ·005	− ·01
7335	9·0	G	18·9	3	− ·004	− ·02
		Z	26·3	2	− ·004	·00
					− ·004	− ·01
7338	8·8	Z	25·0	2	−0·012	+0·02
7339	9·2	Z	24·9	1	− ·006	+ ·05
7340	9·2	G	16·1	3	+ ·004	− ·02
7341	8·9	Z	26·0	1	− ·001	− ·08
7342	8·7	G	19·7	3	+ ·001	− ·10
		Z	24·9	1	− ·004	·00
					·000	− ·08
7343	8·5	Z	25·0	2	− ·003	− ·11
7344	8·8	G	21·1	4	+ ·004	− ·02
		Z	26·4	2	+ ·005	+ ·03
					+ ·004	− ·01
7345	9·0	Z	24·2	1	+ ·001	− ·05
7347	9·0	Z	25·1	1	− ·007	+ ·08
7349	8·1	Z	26·2	1	+ ·001	− ·02
		Ms	18·0	5	+ ·013	− ·07
					+ ·008	− ·06
7351	8·0	Z	24·0	1	− ·019	− ·03
7354	6·5	G	20·2	4	− ·009	− ·23
		8o	19·0	3	− ·011	− ·22
		9o	8·7:8·4	7:8	− ·008	− ·23
					− ·010	− ·23
7356	9·0	G	16·3	3	·000	+ ·01
		Z	24·3	1	− 005	+ ·01
					− ·001	+ ·01
7357	5·8	t	63·1:63·3	3	+ ·003	− ·05
		5o	45·9:47·9	2:1	·000	− ·04
		G	22·3	5	− ·003	− ·09
		Ms	21·0	5	− ·002	− ·02
		8o	20·9	3	− ·002	− ·02
		m	17·9	3	− ·005	− ·03
					− ·001	− ·04
7358	9·1	Z	26·6	2	− ·004	+ ·01
7361	8·8	Z	25·0	1	− ·008	·00
7362	9·1	Z	26·0	1	+ ·013	− ·09
7363	7·0	G	22·0	4	− ·006	− ·10
		8o	19·0	3	− ·003	− ·05
					− ·004	− ·07
7364	8·5	G	20·9	3	− ·007	− ·05
		Z	26·5	2	+ 001	+ ·06
					− ·005	− ·01
7366	9·0	Z	24·0	1	− ·001	+ ·02
7367	8·0	Z	26·5	2	− ·003	− ·02
7368	8·0	Z	24·0	1	− ·012	− ·07
7369	7·5	G	24·6	3:4	− ·006	+ ·05
		Ms	15·7	5	− ·004	+ ·04
		8o	20·7	3	− ·002	+ ·05
					− ·004	+ ·05

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7373	7·8	G	22·8	4	0·000	−0·01
		8o	22·0	3	+ ·001	+ ·03
					·000	+ ·01
7376	8·5	G	17·7	3	+ ·005	− ·08
		Z	25·0	1	+ ·001	− ·08
					+ ·004	− ·08
7377	3·0	t	65·8	7:5	+ ·003	+ ·06
		4o	62·9:62·7	2:10	+ ·003	+ ·05
		5o	46·1:47·6	1:2	+ ·002	+ ·03
		6o	38·4	9:11	+ ·004	+ ·03
		M	34·8	4:3	+ ·001	+ ·04
		G	21·4	7	+ ·004	+ ·03
		Ms	20·9	5	+ ·008	+ ·05
		8o	21·9	3	+ ·004	+ ·03
		85	13·8	4	+ ·001	+ ·18
		9o	7·9	13	·000	− ·04
					+ ·003	+ ·04
7378	9·0	Z	24·0	1	+ ·001	+ ·01
7379	8·0	G	20·4	5	+ ·003	− ·02
		8o	19·4	3	− ·003	− ·03
					+ ·001	− ·03
7380	8·5	G	18·9	3	+ ·005	− ·07
		Z	26·4	2	·000	+ ·02
					+ ·004	− ·04
7381	8·5	Z	23·7	1	− ·004	− ·03
7383	6·5	G	23·4	6	− ·004	− ·10
		8o	20·0	3	− ·002	− ·03
					− ·003	− ·06
7384	8·4	5o	45·7:47·3	2	+ ·007	− ·03
		G	23·7	4	− ·001	− ·08
		8o	20·8	3	·000	− ·04
					+ ·003	− ·04
7385	7·5	G	23·8	4	− ·014	− ·05
		8o	22·9	3	− ·020	+ ·03
					− ·017	·00
7386	9·5	G	13·9	2	− ·009	+ ·02
		Z	24·0	1	+ ·003	− ·03
					− ·006	+ ·01
7387	8·3	G	17·0	2	+ ·002	− ·04
		Z	26·0	1	·000	·00
					+ ·001	− ·03
7388	9·0	Z	24·0	1	− ·001	+ ·04
7389	8·5	Z	24·9	1	+ ·006	+ ·01
7390	8·0	G	19·0	3	+ ·011	·00
		Z	26·4	2	·000	+ ·01
					+ ·009	·00
7392	9·0	Z	24·0	1	− ·003	− ·25
7393	8·2	t	59·8	3	− ·004	(− ·16)
		5o	45·8:47·4	2	− ·001	− ·02
		G	20·8	8	− ·003	− ·06
		8o	21·9	3	− ·004	·00
					− ·003	− ·02
7394	8·5	G	19·0	4	− ·008	− ·06
		8o	19·1	3	− ·004	− ·02
					− ·006	− ·04
7395	9·5	Z	25·0	1	−0·002	−0·03
7396	9·5	Z	24·9	1	+ ·002	·00
7397	6·0	t	61·5:61·9	3:4	·000	− ·01
		G	23·2	4	− ·004	− ·06
		8o	19·2	3	− ·005	+ ·01
					− ·002	− ·01
7400	8·5	G	18·9	3	+ ·002	− ·01
		Z	26·0	1	− ·008	− ·04
					+ ·001	− ·02
7401	9·5	Z	25·1	1	− ·010	− ·06
7402	8·0	G	21·1	4	+ ·002	− ·03
		Z	27·0	1	+ ·003	+ ·06
					+ ·002	− ·02
7403	8·0	G	22·9	4	− ·002	− ·04
		8o	22·0	3	− ·007	+ ·01
					− ·004	− ·01
7404	6·9	5o	45·7:47·4	2	− ·001	+ ·01
		G	23·7	4	− ·007	·00
		8o	21·8	3	− ·001	+ ·03
		m	17·7	3	− ·003	·00
					− ·003	+ ·01
7405	9·0	Z	25·5	2	− ·004	− ·02
7406	8·4	G	19·1	3	− ·004	− ·06
		Z	26·6	2	− ·006	− ·04
					− ·004	− ·05
7407	8·0	Z	25·9	1	+ ·003	− ·02
7408	9·0	Z	26·0	1	+ ·007	− ·03
7409	9·0	Z	24·2	1	− ·002	− ·07
		Ms	14·2	5	− ·008	− ·02
					− ·005	− ·03
7411	9·0	Z	24·7	1	+ ·006	+ ·03
7413	8·0	G	18·7	5	− ·002	− ·07
		Z	23·9	1	− ·003	− ·03
					− ·002	− ·07
7415	8·3	G	17·9	3	+ ·001	− ·05
		Z	25·1	1	− ·005	− ·07
		Ms	16·9	5	+ ·005	− ·12
					+ ·001	− ·08
7416	9·3	Z	26·0	1	− ·011	− ·02
7418	9·0	Z	25·0	1	− ·003	− ·03
7421	8 8	G	17·8	3	− ·006	− ·07
		Z	25·0	1	− ·004	− ·03
					− ·006	− ·06
7422	8·5	G	15·9	3	− ·003	− ·01
		Z	23·9	1	+ ·005	− ·09
					− ·002	− ·03
7424	9·0	G	16·9	3	− ·010	− ·20
		Z	24·1	1	− ·008	− ·24
					− ·010	− ·21
7428	7·4	G	21·1	4	+ ·006	− ·04
		Z	26·5	4	+ ·001	− ·01
					+ ·004	− ·03
7429	9·0	G	14·0	2	−0·011	+0·07
		Z	23·2	1	− ·013	− ·08
					− ·011	+ ·04
7431	8·0	G	21·7	4	− ·002	− ·09
		8o	21·8	3	− ·002	− ·04
					− ·002	− ·06
7432	9·3	Z	23·6	2	− ·011	− ·05
7435	8·0	G	21·5	5	− ·002	·00
		8o	21·8	3	+ ·003	+ ·02
					·000	+ ·01
7437	7·5	t	59·9	4	− ·004	− ·02
		G	22·9	4	− ·004	− ·01
		Ms	14·4	4	− ·015	·00
		8o	22·0	3	− ·005	+ ·04
					− ·004	− ·01
7439	9·0	Z	24·4	1	+ ·002	− ·07
7440	9·2	G	15·8	2	− ·009	+ ·01
		Z	25·0	1	− ·006	+ ·06
					− ·008	+ ·02
7441	8·8	Z	26·4	2	− ·003	·00
7443	7·0	G	23·9	4	+ ·007	− ·08
		8o	20·8	3	+ ·011	− ·07
					+ ·009	− ·07
7444	7·5	G	17·9	3	+ ·002	− ·09
		Z	24·0	1	+ ·003	− ·13
					+ ·002	− ·10
7446	7·0	Z	24·1	1	− ·011	− ·02
		8o	19·9	3	− ·006	− ·01
					− ·007	− ·01
7448	8·3	G	20·9	3	+ ·007	− ·17
		Z	26·7	3	+ ·006	− ·15
					− ·007	− ·16
7450	7·3	G	25·3	4	− ·003	− ·04
		8o	22·9	3	+ ·001	+ ·02
					− ·001	·00
7451	8·1	G	22·1	6	− ·001	− ·11
		8o	21·9	3	− ·004	·00
					− ·002	− ·05
7452	5·0	t	58·3	5	+ ·002	+ ·02
		4o	61·1:58·0	3,2	+ ·003	− ·01
		5o	46·0:47·5	2	+ ·004	+ ·01
		G	23·9	5	− ·003	+ ·03
		8o	22·0	3	·000	+ ·05
					+ ·002	+ ·01
7453	8·1	G	16·5	3	− ·003	+ ·06
		Z	24·5	1	+ ·001	+ ·06
		Ms	14·4	5	− ·001	+ ·02
					− ·002	+ ·04
7456	8·2	G	19·9	3:4	− ·006	− ·03
		Z	26 4	2	− ·006	+ ·06
					− ·006	− ·01
7457	8·6	Z	24·3	1	− ·002	·00

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7458	9·1	Z	26·0	1	−0·016	−0·02
7459	9·3	Z	24·9	2	− ·006	− ·44
7460	8·5	G	18·0	3	− ·004	− ·03
		Z	23·7	3	− ·009	+ ·03
					− ·006	− ·01
7461	5·6	t	59·2	5	− ·002	− ·02
		40	62·2	3	− ·001	...
		50	47·0:49·1	2	− ·002	− ·02
		60	39·4	3	− ·002	− ·04
		G	25·0	4	− ·002	− ·04
		Ms	20·9	5	+ ·001	− ·03
		80	22·9	3	− ·001	·00
					− ·001	− ·02
7462	9·5	Z	25·4	2	− ·008	− ·02
7465	8·8	G	19·7	3	− ·006	− ·10
		Z	25·3	2	− ·006	− ·02
					− ·006	− ·07
7466	9·1	Z	26·0	1	− ·008	+ ·01
7467	8·6	Z	25·4	2	− ·009	− ·02
7468	8·3	G	19·8	3	− ·001	− ·08
		Z	26·8	2	·000	+ ·02
					− ·001	− ·05
7469	9·5	Z	23·7	1	− ·006	+ ·03
7470	8·5	G	19·0	3	+ ·007	− ·02
		Z	26·0	2	− ·007	− ·03
					+ ·004	− ·02
7472	8·8	G	16·3	3	− ·005	− ·04
		Z	24·1	3	+ ·003	·00
					− ·002	− ·03
7474	8·5	Z	25·5	2	·000	+ ·02
		Ms	15·3	5	+ ·001	− ·08
					·000	− ·05
7475	9·8	Z	26·0	1	− ·009	− ·01
7477	8·0	G	20·3:20·1	4:5	− ·001	− ·08
		80	19·4	3	− ·002	− ·04
					− ·001	− ·06
7478	5·0	t	58·6:60·1	4:6	+ ·004	− ·10
		40	53·1	2	+ ·002	...
		50	45·2:46·5	2	+ ·003	− ·09
		G	23·0	4	·000	+ ·17
		80	19·9	3	+ ·003	− ·08
		90	6·8	12	+ ·004	− ·04
					+ ·003	− ·10
7479	9·5	Z	25·9	1	·000	+ ·03
7480	7·0	G	23·6	6	+ ·002	− ·04
		Ms	15·8	5	+ ·004	(− ·27)
		80	22·8	3	− ·007	+ ·02
					·000	− ·01
7481	6·5	G	22·1	4	− ·010	− ·07
		80	19·2	3	− ·012	− ·09
					− ·011	− ·08
7483	9·0	Z	24·9	1	− ·008	− ·08
7485	9·5	Z	25·8	1	−0·001	−0·03
7486	8·8	G	17·9	3	− ·004	+ ·03
		Z	25·9	2	+ ·006	+ ·03
					− ·002	+ ·03
7489	9·2	Z	27·0	1	− ·005	+ ·10
7490	9·4	Z	25·8	1	+ ·004	+ ·07
7493	8·3	Z	26·7	2	− ·003	+ ·02
7494	9·5	Z	24·9	1	+ ·004	− ·03
7496	9·1	Z	26·5	2	+ ·005	+ ·02
7497	9·0	Z	24·0	1	− ·007	+ ·03
7500	6·5	t	58·3	5	− ·054	− ·98
		G	24·0	4	− ·056	−1·01
		Ms	15·9	5	− ·050	− ·95
		80	21·0	3	− ·055	− ·97
					− ·054	− ·93
7501	8·5	G	19·7	3	+ ·016	− ·35
		Z	26·7	2	+ ·018	− ·29
					+ ·016	− ·33
7502	9·0	Z	25·9	1	− ·004	+ ·03
7503	8·5	G	20·4	5	− ·002	− ·10
		80	19·0	3	− ·008	− ·08
					− ·004	− ·09
7505	9·3	G	18·7	3	− ·001	− ·01
		Z	26·7	1	− ·003	+ ·03
					− ·001	·00
7506	9·0	G	16·0	4	− ·003	− ·01
		Z	24·0	1	− ·009	− ·06
					− ·004	− ·02
7508	6·0	t	61·0	3:2	− ·014	+ ·12
		40	62·3	3	− ·010	...
		50	49·1	2	...	+ ·13
		G	25·0	4	− ·018	+ ·11
		Ms	17·9	5	− ·012	(+ ·40)
		80	23·1	3	− ·012	+ ·15
					− ·012	+ ·13
7509	7·3	t	55·4:56·5	4	+ ·004	+ ·02
		40	60·0	4	− ·002	...
		50	44·3:45·6	2	− ·001	− ·01
		G	22·5	10	− ·007	+ ·02
		80	19·1	3	− ·004	+ ·03
					− ·001	+ ·01
7511	9·2	Z	25·7	1	+ ·007	+ ·10
7512	8·3	Z	24·9	1	·000	− ·02
7513	8·3	G	16·9	3	− ·004	+ ·01
		Z	24·9	1	− ·006	+ ·06
					− ·004	+ ·02
7515	8·5	G	17·1	3	− ·002	− ·05
		Z	23·7	2	+ ·003	− ·05
					− ·001	− ·05
7517	8·1	G	23·8	4	+0·004	−0·03
		80	22·8	3	+ ·006	+ ·02
					+ ·005	·00
7519	9·6	G	19·0	3	+ ·009	+ ·05
		Z	26·9	1	+ ·007	+ ·09
					+ ·009	+ ·06
7522	7·8	G	16·5	4	− ·006	− ·07
		Z	23·4	2	+ ·002	− ·04
					− ·004	− ·06
7524	8·3	G	22·9	4	+ ·001	+ ·01
		80	22·8	3	− ·001	+ ·06
					·000	+ ·04
7525	9·4	Z	27·0	1	+ ·010	− ·16
7526	6·5	G	22·8	6	− ·001	− ·14
		80	19·5	3	+ ·003	− ·11
					·000	− ·12
7527	8·3	G	18·2	4	− ·003	+ ·01
		Z	25·8	1	− ·003	+ ·02
					− ·003	+ ·01
7529	7·0	50	47·3:48·9	2	− ·001	− ·02
		G	23·8	8	− ·003	− ·03
		80	22·8	3	·000	+ ·01
					− ·002	− ·02
7530	8·8	G	17·5	7	·000	·00
		Z	24·3	2	+ ·002	+ ·06
					·000	+ ·01
7531	7·5	G	24·0	4	·000	·00
		80	23·0	3	− ·008	+ ·05
					− ·004	+ ·03
7533	7·0	G	23·0	8	+ ·011	− ·10
		80	21·8	3	+ ·006	− ·08
					+ ·009	− ·09
7534	9·2	G	17·9	3	·000	− ·13
		Z	24·9	1	+ ·004	− ·02
					+ ·001	− ·11
7535	7·0	G	20·0	6	·000	− ·01
		80	19·8	3	+ ·006	+ ·02
					+ ·002	·00
7536	9·0	G	18·0	3	+ ·002	− ·01
7538	9·5	Z	26·0	1	− ·010	+ ·08
7539	8·3	G	20·8	4	− ·003	− ·06
		Z	25·8	1	− ·002	− ·03
					− ·003	− ·06
7540	7·0	G	22·9	4	− ·010	− ·10
		80	19·9	3	− ·007	− ·06
					− ·008	− ·08
7541	7·3	t	63·1:63·5	2:4	− ·008	− ·03
		G	23·8	4	− ·012	− ·05
		80	21 8	3	− ·010	− ·02
					− ·009	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7542	7·5	G	24·9	4	−0·010	−0·06
		8o	22·9	3	− ·004	− ·01
					− ·007	− ·03
7543	9·5	Z	25·9	1	+ ·017	− ·30
7544	6·0	t	59·1:57·6	5:6	·000	− ·02
		4o	56·1	1	+ ·001	...
		5o	44·1:45·6	2	− ·002	− ·01
		6o	36·5	3	+ ·002	− ·04
		65	33·0	1	+ ·001	− ·06
		G	19·6:19·0	5:4	− ·005	− ·04
		Ms	17·2	6	− ·004	− ·08
		8o	19·0	4	·000	− ·01
		m	16·0	3	− ·006	− ·01
					·000	− ·02
7548	8·1	G	19·4	4	− ·012	− ·02
		Z	25·9	1	− ·010	+ ·02
					− ·012	− ·02
7549	8·5	G	16·0	4	− ·007	− ·01
		Z	23·0	1	− ·004	− ·03
					− ·007	− ·01
7550	6·5	t	60·9	3	− ·002	− ·05
		5o	47·0:48·5	2	·000	− ·05
		G	25·1	4	+ ·003	− ·08
		8o	23·0	3	+ ·004	·00
					·000	− ·05
7551	6·0	t	57·7:57·9	6:4	− ·001	− ·03
		5o	45·9:47·5	2	+ ·004	− ·04
		G	24·0	4	− ·001	− ·07
		8o	21·9	3	− ·004	− ·04
					·000	− ·04
7552	9·5	Z	24·6	1	− ·002	− ·02
7553	7·7	G	24·9	4	− ·005	− ·02
		8o	21·9	3	− ·004	+ ·06
					− ·004	+ ·03
7555	8·5	G	19·8	3	− ·007	− ·07
		Z	25·8	1	− ·008	+ ·01
					− ·007	− ·05
7557	8·5	G	16·0	4	− ·003	− ·01
		Z	24·0	1	+ ·008	− ·02
					− ·001	− ·01
7558	9·0	Z	22·7	1	− ·014	+ ·07
7560	9·3	G	17·9	4	+ ·011	− ·02
7562	6·5	G	23·0	5	+ ·002	− ·03
		Ms	14·8	5	− ·005	− ·07
		8o	20·9	3	+ ·003	− ·04
					+ ·002	− ·04
7563	7·0	t	58·0	3	− ·004	− ·07
		5o	44·2:46·2	2	·000	− ·01
		G	23·0	4	− ·006	− ·04
		8o	19·0	3	− ·003	− ·03
					− ·003	− ·04
7566	7·0	G	18·5	4	− ·001	− ·09
		Z	24·6	1	− ·001	− ·11
					− ·001	− ·09
7568	9·5	Z	24·9	1	0·000	−0·04
7569	8·5	G	19·7	3	+ ·005	− ·05
		Z	26·7	2	− ·001	·00
					+ ·004	− ·03
7571	8·6	G	18·9	2	− ·005	+ ·04
		Z	26·0	1	− ·014	− ·04
					− ·007	+ ·02
7572	8·8	Z	25·9	2	+ ·001	− ·02
7577	7·8	G	22·4	8	·000	− ·03
		8o	22·9	3	+ ·003	·00
					+ ·001	− ·01
7573	8·5	G	16·1	3	+ ·005	− ·18
		Z	23·0	1	+ ·002	− ·21
					+ ·005	− ·19
7579	8·5	G	19·9	4	− ·006	− ·08
		Z	25·8	1	− ·004	− ·04
					− ·005	− ·03
7582	7·1	G	24·1	5	− ·006	− ·01
		8o	22·0	3	− ·004	·00
					− ·005	·00
7583	7·0	G	20·5	5	+ ·002	− ·03
		8o	19·2	3	+ ·002	+ ·01
					+ ·002	− ·01
7584	9·0	G	17·9	3	− ·003	− ·08
		Z	23·9	1	− ·005	+ ·02
					− ·003	− ·06
7585	9·0	G	17·0	3	·000	+ ·06
		Z	24·4	2	− ·004	− ·02
					− ·001	+ ·03
7586	7·0	G	23·9	4	− ·008	− ·16
		8o	21·9	3	− ·010	− ·11
					− ·009	− ·13
7587	8·8	Z	25·9	1	+ ·001	− ·07
7588	8·0	G	18·9	3:5	− ·001	− ·02
		Z	24·9	1	− ·001	− ·04
					− ·001	− ·02
7589	8·0	G	16·9	3	− ·002	− ·02
		Z	24·9	1	+ ·004	+ ·02
					− ·001	− ·01
7590	8·0	G	16·9	3	·000	− ·04
		Z	23·7	1	− ·003	− ·03
					·000	− ·04
7591	7·0	G	24·7	4	− ·006	·00
		8o	22·8	3	− ·002	+ ·03
					− ·005	+ ·02
7592	8·1	G	18·8	3	− ·004	− ·06
		Z	25·8	2	− ·003	− ·02
					− ·004	− ·05
7598	8·2	G	19·1	3	− ·002	− ·03
		Z	27·0	1	− ·005	+ ·04
					− ·002	− ·02
7599	9·0	G	16·2	3	−0·001	−0·02
		Z	23·7	2	− ·002	+ ·03
					− ·001	·00
7601	8·7	G	19·2	6	+ ·004	− ·12
		Z	25·6	1	+ ·002	− ·07
					+ ·004	− ·12
7602	7·0	t	60·8	2:3	− ·005	− ·10
		5o	47·0:48·0	2	− ·004	− ·09
		G	25·0	4	− ·005	− ·09
		Ms	15·8	5	+ ·001	− ·16
		8o	22·9	3	− ·007	− ·07
		m	18·9	3	− ·010	− ·03
					− ·006	− ·09
7603	9·0	Z	23·7	1	− ·005	− ·03
7607	7·6	G	19·3	4	+ ·005	− ·04
		Z	25·7	1	·000	− ·10
					+ ·004	− ·05
7608	7·8	G	23·9	6	− ·007	− ·05
		8o	21·8	3	·000	+ ·03
					− ·005	− ·01
7609	7·0	G	20·9	9	+ ·019	− ·01
		8o	19·8	3	+ ·020	+ ·05
					+ ·019	+ ·02
7611	9·3	Z	25·9	1	·000	+ ·02
7612	8·8	Z	26·0	1	− ·014	− ·05
7613	7·3	G	23·1	4	+ ·004	− ·04
		8o	23·0	3	+ ·003	+ ·01
					+ ·003	− ·01
7614	6·5	t	59·3:59·2	4:3	+ ·003	− ·06
		5o	45·9:47·4	2	− ·001	− ·07
		G	23·9	5	− ·005	− ·05
		8o	21·8	4	− ·006	+ ·01
					·000	− ·05
7615	8·1	G	18·9	3	− ·005	− ·07
		Z	26·4	2	·000	− ·05
					− ·004	− ·06
7616	7·3	G	20·6	5	− ·002	− ·03
		8o	19·4	3	− ·005	·00
					− ·003	− ·01
7617	8·3	G	19·6	4	− ·007	+ ·01
		Z	26·9	2	− ·004	− ·06
					− ·006	·00
7618	8·3	G	17·8	3	+ ·002	+ ·03
		Z	25·8	1	+ ·001	·00
					+ ·002	+ ·02
7619	6·0	G	22·1	4	·000	− ·09
		8o	21·9	3	− ·008	·00
					− ·004	− ·04
7620	8·3	Z	24·2	2	+ ·005	− ·09
7621	8·8	Z	25·7	1	+ ·001	− ·02
7624	8·0	Z	24·7	1	− ·010	− ·06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7625	8·0	G	23·9	4	−0·018	−0·04
		80	21·8	3	− ·012	+ ·05
					− ·015	+ ·01
7626	9·0	Z	25·9	1	+ ·011	+ ·06
7627	6·2	G	22·9	5	− ·005	− ·15
		80	22·8	3	− ·007	− ·12
					− ·006	− ·13
7628	8·0	Z	24·5	1	− ·004	+ ·02
7629	8·0	G	16·5	3	− ·006	− ·02
		Z	24·5	1	·000	− ·10
					− ·005	− ·04
7630	7·5	G	24·8	5	+ ·004	− ·02
		80	22·8	3	+ ·009	− ·01
					+ ·006	− ·01
7631	8·0	G	16·4	3	− ·006	+ ·04
		Z	24 3	1	− ·008	− ·08
					− ·006	+ ·02
7633	9·2	Z	25·9	1	+ ·002	+ ·02
7634	8·4	Z	25·8	1	− ·012	− ·08
7635	7·3	G	24·3	4	+ ·001	− ·20
		80	22·9	3	− ·001	− ·11
					·000	− ·15
7636	9·0	Z	22·9	1	− ·017	− ·14
7637	7·0	G	16·0	3	+ ·004	− ·11
		Z	24·0	1	+ ·001	+ ·03
					+ ·004	− ·08
7638	6·0	t	59·7	3	+ ·004	− ·04
		40	61·6	3	+ ·004	...
		50	45·7:47·3	1:2	+ ·003	− ·04
		G	23·9	5	+ ·004	− ·05
		80	21·7	3	+ ·005	− ·04
		m	21·6	3:4	+ ·002	− ·06
					+ ·004	− ·04
7639	8·8	Z	25·7	1	− ·005	− ·02
7640	9·2	Z	25·9	1	− ·007	− ·08
7641	7·5	G	16·0	3	− ·007	− ·08
		Z	24·0	1	·000	− ·06
		Ms	14·0	5	− ·012	− ·06
					− ·007	− ·07
7643	8·9	G	18·8	3	− ·005	− ·05
		Z	26 4	2	·000	+ ·03
					− ·004	− ·02
7645	6·0	t	61·7:62·3	3:4	+ ·002	·00
		40	56·5	1	− ·004	...
		50	44·6:46·2	2	− ·001	·00
		G	22·6	4	− ·005	− ·01
		Ms	19·6	5	+ ·003	+ ·06
		80	19·6	3	− ·001	+ ·04
		m	16·5	3	+ ·001	+ ·01
					− ·001	+ ·01
7647	8·3	G	16·5	3	+ ·004	− ·05
		Z	23·8	2	− ·004	+ ·03
					+ ·002	− ·02
7651	7·0	G	23·6	4	−0·002	−0·03
		80	21·7	3	+ ·004	+ ·03
					+ ·001	+ ·01
7653	8·5	G	16·0	3	− ·003	·00
		Z	23·4	2	·000	·00
					− ·002	·00
7656	8·1	G	17·6	3	− ·005	+ ·05
		Z	25·6	1	·000	+ ·04
					− ·004	+ ·05
7658	8·0	G	19·9	3	− ·009	− ·10
7659	8·4	Z	25·8	1	− ·005	− ·04
7660	8·3	G	16·8	3	·000	− ·07
		Z	24·1	2	− ·009	+ ·03
		Ms	14·8	5	− ·001	(− ·25)
					− ·002	− ·04
7662	5·8	t	61·6:62·2	3:4	− ·009	− ·01
		40	56·7	1	− ·011	...
		50	44·5:46·1	2	− ·008	·00
		M	31·6:31·7	5:6	− ·006	·00
		G	21·4	5	− ·010	− ·07
		80	19·5:19·6	3	− ·007	+ ·04
					− ·008	·00
7665	8·9	G	15·6	2	+ ·006	− ·01
		Z	25·6	1	+ ·002	− ·07
					+ ·005	− ·02
7667	8·5	G	19·8	3	− ·003	− ·05
		Z	25·8	2	+ ·001	+ ·01
					− ·002	− ·03
7669	9·3	Z	23·4	2	− ·006	·00
7673	9·3	Z	26·7	1	+ ·009	− ·04
7674	9·0	Z	23·3	1	+ ·003	− ·10
7675	8·3	Z	26·0	1	+ ·004	− ·07
7676	9·0	Z	23·3	2	·000	− ·09
7677	7·0	M	31·6	6	+ ·004	− ·05
		G	22·2	12	− ·001	− ·08
		80	19·5	3	+ ·002	− ·07
		90	8·1	6	− ·001	− ·09
					+ ·002	− ·06
7678	9·0	G	16·5	4	+ ·001	+ ·01
		Z	23·9	3	·000	− ·05
					+ ·001	·00
7679	8·8	G	18·0	5	− ·001	− ·02
		Z	25·6	1	− ·002	+ ·04
					− ·001	− ·01
7680	7·9	G	22·7	10	− ·004	− ·06
		80	20·7	3	− ·002	− ·07
					− ·003	− ·06
7682	8·8	Z	26·0	1	− ·004	− ·07
7683	8·8	Z	25·6	1	− ·007	+ ·05
7686	8·2	G	21·7	4	−0·001	−0·12
		Z	26·7	1	+ ·004	− ·02
					·000	− ·11
7687	8·0	Z	25·6	1	− ·001	+ ·02
7688	9·0	Z	25·8	1	·000	·00
7690	6·0	t	62·1:62·5	3:4	+ ·004	+ ·01
		50	44·7:46·5	2	·000	+ ·01
		60	37·1	1	− ·001	+ ·06
		65	29·8	4	− ·005	− ·04
		G	22·7	4	− ·004	·00
		Ms	18·8	5	− ·014	+ ·02
		80	19·8	3	− ·006	− ·01
					− ·003	+ ·01
7691	8·5	Z	24·6	3	− ·005	− ·22
7692	9·6	Z	24·9	1	− ·006	− ·08
7694	9·4	Z	24·1	2	+ ·001	− ·05
7697	6·5	M	32·8	5:6	− ·002	− ·01
		G	21·8	5	− ·003	− ·08
		Ms	14·6	5	− ·002	+ ·01
		80	21·7	3	− ·003	·00
		90	5·1:5·0	8:9	− ·002	− ·02
					− ·002	− ·02
7698	9·2	Z	26·0	1	− ·005	− ·08
7700	7·5	G	22 0	5	− ·004	− ·04
		80	21·8	3	− ·006	− ·06
		90	11·8	11	− ·003	− ·07
					− ·004	− ·06
7702	6·5	G	22·1	4	− ·009	− ·05
		80	19·1	3:4	− ·006	− ·03
					− ·007	− ·04
7704	8·4	G	18·7	4	− ·061	− ·09
		Z	25·8	1	− ·060	− ·22
		Ms	32·6	5	− ·066	− ·12
					− ·064	− ·11
7705	8·2	Z	25·8	1	− ·005	− ·06
7706	9·0	G	16·2:16·3	4	+ ·003	− ·04
		Z	23·2:23·3	1	− ·006	− ·12
		Ms	27·7:27·8	5	− ·004	− ·03
					− ·001	− ·04
7707	9·3	G	18·9	4	+ ·001	− ·03
		Z	26·8	1	+ ·010	+ ·02
					+ ·002	− ·02
7708	7·4	t	60·9	3	+ ·041	− ·23
		G	24·9	4	+ ·035	− ·22
		80	22·9	3	+ ·038	− ·18
					+ ·039	− ·22
7710	8·5	Z	23·9	1	− ·008	− ·01
7711	7·5	G	18·8	3	− ·004	− ·07
		Z	24·2	4	− ·003	− ·01
					− ·004	− ·04
7712	8·0	G	19·7	2.3	+ ·002	− ·07
		Z	25·6	1	− ·002	+ ·01
		Ms	15·7	5	+ ·005	− ·03
					+ ·002	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7714	9·0	Z	26·1	3	+0·004	−0·07
7715	9·0	Z	23·5:23·6	1	− ·002	− ·10
7720	9·1	Z	26·9	1	+ ·001	− ·03
7721	7·7	G	22·8	4	− ·006	− ·13
		8o	21·9	3	− ·003	− ·11
					− ·004	− ·12
7725	8·0	G	18·8	7	+ ·001	− ·02
		8o	19·4	3	− ·009	− ·01
					− ·002	− ·01
7727	8·8	Z	25·8	1	+ ·004	− ·06
7729	8·3	G	19·1	4	− ·004	− ·06
		Z	25·3	2	− ·003	− ·06
					− ·004	− ·06
7730	8·2	t	60·6	3	− ·008	− ·07
		G	21·4	5	− ·010	− ·07
		8o	21·9	3	− ·008	− ·06
					− ·009	− ·07
7731	6·5	G	22·4	4	− ·009	− ·04
		8o	19·4	3	·000	− ·01
					− ·004	− ·02
7732	6·5	G	22·7	4	− ·009	+ ·02
		Ms	14·3	5	− ·006	− ·10
		8o	19·8	3	− ·006	− ·02
					− ·007	− ·02
7733	9·0	Z	24·0	1	− ·022	+ ·01
7734	8·7	G	17·9	3	− ·005	+ ·03
		Z	25·3	2	+ ·003	− ·02
					− ·003	+ ·01
7735	8·0	G	23·2	4	+ ·003	− ·06
		8o	23·0	3	+ ·005	− ·01
		9o	13·0	11	+ ·010	− ·07
					+ ·007	− ·05
7737	7·0	G	20·5:20·6	4	− ·002	+ ·02
		8o	19·4:19·5	3	− ·008	− ·04
					− ·005	− ·02
7739	8·7	G	17·9	3	− ·006	− ·03
		Z	25·8	1	− ·014	− ·12
					− ·007	− ·05
7741	9·3	Z	23·8	1	·000	− ·10
7744	9·0	M	32·8	7	− ·001	+ ·01
		G	20·6	4	− ·003	− ·02
		Z	25·1	2	− ·007	− ·06
					− ·001	·00
7745	9·0	Z	23·7	1	− ·004	− ·13
7746	7·5	t	59·9	3:2	+ ·003	− ·01
		G	22·5	5	+ ·006	− ·03
		8o	22·9	3	+ ·011	+ ·04
					+ ·005	·00
7749	9·0	Z	26·0	1	− ·004	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7752	7·0	t	58·3:58·4	2	+0·014	−0·15
		5o	44·5:46·0	2	+ ·016	− ·05
		6o	37·1:37·2	8	+ ·019	− ·07
		G	22·2:22·3	4	+ ·012	− ·11
		Ms	29·6:29·7	5	+ ·013	− ·05
		8o	19·3:19·4	3	+ ·014	− ·08
		m	20·2:20·3	3.4	+ ·016	− ·09
					+ ·017	− ·08
7756	9·2	Z	25·1	2	− ·006	− ·03
7757	8·9	Z	26·9	1	+ ·001	·00
7758	8·0	G	16·0	3	− ·002	− ·07
		Z	23·5	2	− ·004	·00
					− ·002	− ·05
7759	8·6	G	21·2	4	− ·011	− ·09
		Z	26·0	1	− ·008	− ·17
					− ·011	− ·10
7760	8·3	G	16·7:16·8	3	− ·009	− ·04
		Z	24·1:24·2	2	− ·003	+ ·01
					− ·008	− ·02
7761	7·0	G	24·4	6	+ ·007	+ ·02
		8o	23·0	3	+ ·007	+ ·07
					+ ·007	+ ·04
7763	8·9	Z	25·3	2	− ·007	− ·01
7766	8·5	G	18·1	3	+ ·001	− ·02
		Z	26·0	1	+ ·002	− ·05
					+ ·001	− ·03
7768	9·3	Z	26·0	1	− ·007	− ·03
7769	8·5	G	16·6	3	− ·003	− ·01
		Z	23·5	1	+ ·001	− ·05
					− ·002	− ·02
7770	8·0	t	58·5	6	− ·002	+ ·01
		G	20·7	4	− ·010	− ·03
		8o	20·7	3	− ·009	·00
		85	15·8	7	− ·003	− ·03
		9o	11·8	6	− ·011	− ·03
					− ·004	·00
7771	8·9	Z	24·8	1	− ·010	− ·01
7773	8·5	G	16·6	3	− ·006	+ ·01
		Z	24·6	1	− ·012	+ ·03
		Ms	14·6	5	− ·013	·00
					− ·008	+ ·01
7775	9·4	Z	25·8	2	− ·001	+ ·07
7776	9·5	Z	23·2	1	− ·003	·00
7780	8·7	Z	26·0	1	− ·034	+ ·17
7782	8·0	G	19·0	3	− ·002	− ·07
		Z	25·4	2	+ ·002	− ·04
					− ·001	− 06

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			°		s	″
7783	5·8	t	58·8	4	+0·007	−0·30
		4o	61·8	4	+ ·014	...
		5o	47·8:47·4	2	+ ·015	− ·32
		G	23·8	4	+ ·006	− ·37
		Ms	14·8	5	+ ·012	− ·54
		8o	21·8	3	+ ·016	− ·33
		85	15·8	6	+ ·009	− ·31
		9o	11·8	6	+ ·012	− ·32
					+ ·012	− ·32
7784	8·8	G	19·4	5	+ ·010	− ·39
		Z	23·6	2	+ ·008	− ·41
		Ms	14·0	5	+ ·013	− ·33
					+ ·010	− ·38
7785	7·0	t	61·0	3	− ·003	− ·02
		5o	47·0:48·7	2	− ·001	·00
		G	25·0	4	− ·005	− ·06
		8o	23·0	3	− ·011	·00
					− ·004	− ·01
7786	7·7	G	24·0	4	+ ·006	− ·08
		8o	23·0	3	+ ·004	− ·07
					+ ·005	− ·07
7789	8·3	Z	26·0	1	+ ·007	+ ·01
7790	9·0	Z	23·2	1	− ·011	− ·02
7791	7·8	t	59·4:59·3	3	− ·001	− ·05
		5o	46·0:47·3	2	+ ·002	− ·08
		M	32·8	6:7	+ ·002	− ·05
		G	23·7	5:4	− ·005	− ·10
		Ms	32·3	3	− ·002	− ·05
		8o	21·7	3	− ·003	− ·06
					·000	− ·06
7795	8·0	G	18·0	4	− ·005	− ·08
		Z	24·0	1	− ·005	− ·03
					− ·005	− ·07
7797	8·8	G	18·0	3	− ·004	·00
		Z	24·9	1	− ·012	− ·03
					− ·005	− ·01
7799	8·9	G	16·9	2	− ·002	+ ·03
		Z	25·9	1	− ·003	− ·01
					− ·002	+ ·02
7800	8·5	G	16·6	4	− ·002	+ ·02
		Z	24·0	2	+ ·002	− ·01
		Ms	30·3	5	− ·004	+ ·02
					− ·003	+ ·02
7801	8·5	G	20·9	3	− ·002	− ·05
		Z	26·9	1	+ ·001	+ ·03
					− ·002	− ·03
7802	9·3	G	14·9	2	− ·004	− ·03
		Z	24·0	1	− ·005	− ·06
					− ·004	− ·04
7803	8·0	t	60·5	3	− ·006	− ·03
		G	21·8	4	− ·004	− ·11
		8o	21·9	3	− ·003	− ·03
					− ·005	− ·04
7305	7·0	G	22·3	4	− ·008	− ·04
		8o	19·4	3	− ·011	− ·01
					− ·009	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7806	9·0	Z	23·7	1	−0·008	−0·03
7807	8·5	G	18·2	3	+ ·003	− ·04
		Z	24·3	1	− ·002	− ·03
					+ ·002	− ·04
7808	8·5	G	18·8	3:2	·000	− ·10
		Z	25·3	2	− ·002	+ ·02
					·000	− ·06
7810	9·4	Z	25·9	1	+ ·003	− ·03
7811	9·0	G	16·5	4	− ·003	− ·05
		Z	24·5	1	− ·002	− ·01
					− ·003	− ·05
7813	8·5	G	18·0	3	− ·005	− ·08
		Z	23·9	1	− ·004	− ·04
					− ·005	− ·07
7814	7·8	G	23·8	4	− ·012	− ·09
		80	21·8	3	− ·015	·00
		85	15·9	5	− ·005	− ·03
		90	11·8	6	− ·007	− ·02
					− ·010	− ·03
7815	8·7	Z	25·9	1	+ ·010	− ·05
7816	8·5	Z	24·5	1	− ·008	·00
7818	9·1	Z	25·6	1	+ ·002	− ·02
7819	8·9	Z	23·4	1	− ·005	+ ·03
7820	8·0	G	18·7	3	·000	− ·03
		Z	24·2	2	− ·002	− ·05
					·000	− ·04
7821	8·9	Z	25·3	2	− ·001	+ ·02
7822	8·3	G	16·4	3	− ·004	− ·02
		Z	23·8	2	·000	− ·07
					− ·003	− ·04
7823	9·1	Z	26·3	2	+ ·001	− ·02
7824	8·0	G	22·6	4	− ·007	− ·07
		Ms	24·4	10	− ·013	+ ·01
		80	21·7	3	− ·011	+ ·01
					− ·011	− ·01
7825	7·0	G	23·8	4	− ·023	− ·14
		80	21·8	3	− ·027	− ·02
					− ·025	− ·07
7826	7·7	G	23·0	4	+ ·004	− ·06
		80	23·0	3	+ ·005	− ·05
					+ ·004	− ·05
7827	9·1	G	17·9	3	− ·008	− ·11
		Z	24·4	2	− ·009	− ·03
		Ms	32·1	5	− ·006	+ ·02
					− ·007	− ·02
7829	9·5	G	16·5	4	− ·001	− ·05
		Z	24·0	2	− ·006	− ·07
					− ·002	− ·05
7830	7·9	G	22·2	4	+0·002	−0·08
		80	21·8	3	+ ·001	− ·03
		85	15·8	5	+ ·005	− ·04
		90	11·8	6	+ ·006	− ·06
					+ ·003	− ·06
7832	8·3	G	23·9	4	+ ·003	− ·24
		80	23·0	3	− ·001	− ·23
					+ ·002	− ·23
7834	9·0	G	17·9	3	− ·002	+ ·01
		Z	25·9	2	− ·002	+ ·05
					− ·002	+ ·02
7837	9·0	65	34·2	4	+ ·002	− ·02
		G	16·8	2	+ ·002	+ ·04
		Z	26·8	1	− ·002	+ ·03
					+ ·002	·00
7838	8·5	G	18·0	3	− ·005	− ·09
		Z	24·0	1	− ·009	− ·06
					− ·006	− ·08
7840	8·0	G	16·4	3	− ·001	− ·03
		Z	24·3	1	·000	− ·08
					− ·001	− ·04
7841	8·7	Z	25·6	1	− ·005	+ ·03
7842	8·1	G	21·8	5	− ·002	− ·04
		80	21·9	3	− ·004	+ ·03
					− ·003	·00
7843	6·5	G	24·2	6:7	− ·008	− ·10
		Ms	14·9	5	− ·007	− ·03
		80	20·9	3	− ·008	− ·09
					− ·008	− ·09
7844	6·8	G	22·9	4	− ·008	− ·03
		80	19·9	3	− ·007	− ·03
					− ·007	− ·03
7845	7·8	G	21·9	5	+ ·011	− ·03
		80	21·9	3	+ ·008	− ·02
		85	15·9	7	+ ·009	+ ·01
		90	11·9	5:6	+ ·006	− ·04
					+ ·009	− ·02
7846	8·5	Z	23·2	1	− ·009	− ·02
		Ms	13·6	5	+ ·002	·00
					− ·003	·00
7847	9·0	G	18·8	4	+ ·006	+ ·02
		Z	25·9	1	·000	− ·02
					+ ·005	+ ·02
7848	8·0	G	20·6	5	+ ·005	− ·11
		80	19·4	3	+ ·001	− ·08
					+ ·004	− ·09
7851	8·0	G	16·7	3	+ ·005	− ·05
		Z	24·1	4	·000	− ·05
		Ms	15·4	6	+ ·007	(+ ·13)
					+ ·006	− ·05
7853	8·7	Z	26·9	1	+ ·001	+ ·05
7855	9·0	Z	25·9	1	− ·007	− ·14
7856	7·2	G	19·2:19·4	7:8	−0·001	−0·06
		80	19·6	3	− ·007	− ·02
					− ·003	− ·04
7857	7:8	G	19·4	6	− ·007	− ·10
		Z	25·9	1	− ·007	− ·02
					− ·007	− ·09
7859	9:0	Z	23·5	1	− ·013	− ·06
7860	9·3	Z	24·6	1	− ·004	− ·04
		Ms	30·5	5	− ·001	− ·06
					− ·001	− ·06
7862	9·1	Z	25·9	1	− ·005	·00
7863	9·2	Z	24·8	1	− ·007	− ·08
7864	9·3	Z	24·0	1	− ·008	+ ·02
7865	7·8	G	23·0	6	+ ·003	− ·04
		80	22·9	3	+ ·001	·00
					+ ·002	− ·02
7866	8·0	Z	23·9	1	− ·007	− ·06
7867	9·3	G	16·7	1	− ·009	− ·03
		Z	25·1	2	+ ·003	+ ·04
					− ·004	·00
7868	8·5	G	23·4	4	− ·002	− ·05
		80	23·0	3	− ·005	+ ·06
					− ·003	+ ·02
7869	8·0	G	19·5	3	− ·008	− ·01
		Z	23·9	2	− ·003	− ·01
					− ·007	− ·01
7870	8·3	Z	25·8	1	− ·005	+ ·02
7871	8·8	65	34·2	4	·000	− ·10
7872	8·5	G	17·9	3	+ ·003	− ·07
		Z	24·9	1	+ ·001	·00
					+ ·003	− ·06
7873	7·8	G	22·9	4	− ·004	− ·11
		80	22·0	3	− ·006	− ·02
		85	16·0	5	− ·001	− ·05
		90	11·9	6	− ·006	− ·05
					− ·004	− ·05
7874	8·9	Z	25·6	1	− ·004	+ ·02
7875	8·5	G	18·4	4	+ ·003	− ·10
		Z	24·9	1	+ ·004	− ·11
					+ ·003	− ·10
7877	8·2	G	18·7	3:4	− ·001	− ·09
		Z	25·1	2	·000	·00
					− ·001	− ·07
7879	8·5	G	16·7	4	+ ·001	− ·05
		Z	23·4	1	− ·011	− ·09
					− ·001	− ·05
7880	8·0	M	34·1	8:7	+ ·005	− ·02
		G	21·0	3	+ ·003	− ·09
		Z	26·4	2	+ ·004	·00
					+ ·005	− ·03

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
7882	8·3	G	33·9	4	+0·006	−0·04
		80	23·0	3	+ ·005	+ ·02
					+ ·005	·00
7883	8·8	Z	27·0	1	+ ·012	+ ·01
7884	8·3	G	17·7	3	− ·001	− ·03
		Z	25·3	3	− ·003	+ ·01
					− ·002	− ·02
7885	7·3	G	24·4	7	+ ·003	− ·07
		Ms	15·4	5	+ ·006	+ ·03
		80	21·0	3	+ ·002	− ·02
					+ ·003	− ·03
7887	8·5	G	19·3	3	− ·001	+ ·04
		Z	26·9	1	+ ·005	− ·02
					·000	+ ·03
7838	9·0	Z	23·4	2	− ·009	+ ·01
7889	8·5	Z	24·7	1	− ·003	+ ·04
7890	8·5	Z	25·3	2	− ·002	− ·28
		Ms	33·6	5	·000	− ·27
					·000	− ·27
7892	7·5	G	18·7	3	+ ·003	− ·03
		Z	24·2	2	− ·001	− ·07
					+ ·002	− ·04
7893	8·5	G	16·4	3	− ·004	− ·04
		Z	23·9	2	− ·005	+ ·01
		Ms	15·3	5	− ·003	(+ ·26)
					− ·004	− ·02
7895	8·5	Z	24·7	1	− ·004	− ·06
7897	8·0	G	22·8	3:4	− ·002	− ·03
		Ms	17·8	5	− ·018	+ ·01
		80	22·9	3	− ·006	+ ·03
					− ·005	+ ·01
7393	8·5	G	17·9	3	+ ·006	− ·06
		Z	25·4	2	·000	+ ·02
					+ ·005	− ·03
7899	8·9	Z	26·0	1	+ ·001	− ·05
7900	7·0	G	22·0	4	− ·009	− ·12
		80	19·0	3	− ·002	− ·04
					− ·005	− ·07
7902	8·0	G	16·0	4	+ ·008	− ·07
		Z	23·5	2	+ ·007	− ·11
					+ ·008	− ·08
7903	7·0	M	33·9	4	+0·010	− ·04
		G	23·8	4	+ ·010	− ·06
		80	22·9	3	+ ·007	− ·06
		90	12·8	11	+ ·017	− ·03
					+ ·010	− ·05
7904	9·2	Z	25·1	2	·000	− ·02
7907	9·1	65	34·2	2	− ·004	− ·03
		Z	25·9	1	− ·004	+ ·05
					− ·004	− ·02
7909	8·5	G	16·1	3	−0·005	−0·04
		Z	24·0	1	− ·003	− ·02
					− ·005	− ·04
7911	8·6	G	17·7	3	− ·009	+ ·28
7913	6·5	G	23·0	5	+ ·002	+ ·02
		80	20·9	3	+ ·002	+ ·04
					+ ·002	+ ·03
7914	8·2	Z	25·4	2	+ ·010	− ·09
7915	9·0	Z	26·8	1	+ ·005	·00
7916	9·4	Z	25·2	2	+ ·005	+ ·08
7917	9·0	G	18·9	3	+ ·009	+ ·01
		Z	26·0	1	− ·001	− ·01
					+ ·008	+ ·01
7919	7·0	G	21·2	4	− ·010	− ·12
		80	19·2	3	− ·001	− ·04
					− ·005	− ·07
7920	8·0	50	46°9:48·5	2	+ ·006	·00
		G	22·2	7	+ ·001	+ ·01
		80	21·9	4	+ ·001	+ ·07
					+ ·003	+ ·02
7921	8·8	G	16·9	3	+ ·002	− ·01
		Z	24·8	2	− ·005	− ·03
					+ ·001	− ·02
7923	8·3	G	18·7	3	− ·001	− ·11
		Z	24·8	1	·000	− ·08
					− ·001	− ·10
7924	8·7	Z	25·7	1	− ·009	·00
7925	8·6	Ms	14·9	5	+ ·003	+ ·01
7926	7·5	G	18·9	8	·000	− ·05
		Z	25·9	1	+ ·003	+ ·02
					·000	− ·04
7928	8·3	G	16·8	2	− ·011	− ·13
		Ms	15·8	4	− ·002	− ·15
					− ·009	− ·14
7929	8·5	Z	23·5	2	+ ·005	− ·10
7930	6·5	t	58°4:58·5	5	+ ·049	− ·81
		40	56·8	2	+ ·046	...
		50	44°8:46·4	3:4	+ ·047	− ·77
		60	37·9	1	+ ·043	− ·80
		65	33·7	1	+ ·050	− ·80
		M	27·7	3	+ ·049	− ·83
		G	21·0	7	+ ·047	− ·81
		80	19·8	3	+ ·050	− ·79
					+ ·048	− ·80
7931	9·5	Z	25·8	1	+ ·003	+ ·04
7933	8·3	Z	26·8	1	+ ·005	+ ·01
7936	7·3	G	24·1	7	+ ·005	− ·05
		80	21·0	3	+ ·008	·00
					+ ·006	− ·02
7937	6·5	G	24·2	5	−0·008	−0·07
		80	22·0	3	·000	− ·03
		90	12·0	7:11	+ ·006	− ·03
					− ·004	− ·04
7939	8·8	Z	26·0	2	+ ·002	− ·07
7940	8·8	Ms	14·8	5	− ·005	+ ·03
7943	9·5	Z	24·0	1	·000	·00
7945	9·3	Z	26·0	1	− ·004	+ ·01
7947	9·0	Z	25·6	1	− ·007	+ ·02
7948	8·5	Z	26·8	1	+ ·022	− ·11
7949	8·0	G	23·3	4	− ·005	− ·04
		80	22·9	3	− ·008	+ ·02
					− ·006	·00
7950	8·6	Z	26·9	1	− ·018	− ·01
7951	9·0	Z	25·6	1	+ ·003	+ ·02
7953	8·8	M	34·0	6:7	+ ·020	− ·13
		G	22·8	3	+ ·019	− ·16
		80	22·8	3	+ ·015	− ·14
					+ ·019	− ·13
7954	8·0	G	18·8	3	− ·001	− ·03
		Z	24·4	2	·000	− ·07
					− ·001	− ·04
7956	8·3	Z	23·9	2	− ·001	− ·07
7958	9·5	Z	24·9	1	− ·014	− ·04
7960	8·8	G	18·9	3	+ ·010	+ ·03
		Z	26·8	1	+ ·009	+ ·01
					+ ·010	+ ·03
7961	8·9	G	16·9	3	+ ·008	+ ·04
		Z	25·0	1	+ ·010	+ ·08
					+ ·008	+ ·05
7962	9·1	G	18·9	3	+ ·012	− ·05
		Z	26·0	1	+ ·002	− ·07
					+ ·011	− ·05
7963	9·0	G	15·8	2	·000	+ ·01
		Z	25·8	2	− ·002	− ·03
					− ·001	·00
7965	7·5	G	22·8	3:4	− ·002	− ·06
		80	20·9	3	− ·003	− ·06
					− ·002	− ·06
7968	9·0	Z	24·8	1	+ ·010	+ ·09
7969	9·3	Z	26·8	1	+ ·012	− 06
7970	8·2	G	23·3	5	− ·003	− ·01
		80	23·0	3	− ·008	+ ·04
					− ·005	+ ·02
7973	9·3	Z	24·4	1	− ·001	− ·04
7975	8·9	Z	25·9	1	+ ·003	−1·58

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
7976	8·7	G	16·7	3	+0·003	−0·30
		Z	24·2	2	+ ·001	− ·24
					+ ·003	− ·28
7981	6·0	t	60·0	3	+ ·021	− ·07
		40	57·9	1	+ ·017	...
		50	46 3:47·6	2	+ ·024	− ·06
		G	24·1	5	+ ·018	− ·08
		80	22·0	4	+ ·019	− ·07
		m	18·0	3	+ ·016	− ·09
					+ ·020	− ·07
7982	8·0	G	19·0	4	− ·001	− ·03
		Z	24·9	1	·000	+ ·02
					− ·001	− ·02
7983	7·9	G	19·9	3	− ·006	− ·05
		Z	25·9	1	− ·006	+ ·02
					− ·006	− ·04
7984	7·0	50	48·0	3	...	− ·01
		G	23·9	5	− ·009	− ·03
		80	22·0	3	− ·006	·00
					− ·008	− ·01
7985	8·0	M	34·0	6:8	+ ·001	− ·03
		G	22·6	5	+ ·004	− ·06
		80	22·9	3	− ·003	− ·03
					+ ·001	− ·03
7987	7·2	G	25·6	6	− ·003	− ·04
		Z	26·4	2	·000	− ·02
					− ·003	− ·04
7983	7·0	G	21·3	5	+ ·006	− ·03
		80	19·9	4 3	+ ·005	− ·04
					+ ·006	− ·04
7989	7·5	G	23·3	5	− ·009	− ·10
		Ms	17·9	5	− ·010	− ·13
		80	23·0	3	− ·009	− ·06
					− ·009	− ·08
7990	9·5	Z	24·8	1	− ·002	+ ·01
7991	8·7	G	17·7	3	+ ·005	− ·07
		Z	25·7	1	+ ·003	− ·05
					+ ·005	− ·07
7993	8·0	Z	26·0	1	+ ·005	− ·09
7996	7·7	G	18·9	3	− ·005	− ·02
		Z	25·9	1	− ·004	+ ·13
					− ·005	+ ·01
7997	8·5	Ms	14·5	5	− ·001	+ ·08
8002	9·8	Z	24·2	1	− ·002	− ·07
8003	8·0	Z	24·0	2	+ ·006	·00
8004	9·5	Z	25·7	1	+ ·006	+ ·02
3005	9·3	Z	26·0	1	− ·010	− ·05
		Ms	32·3	5	− ·004	− ·04
					− ·004	− ·04
3006	7 5	t	58·8:59·2	6:5	+ ·033	− ·35
		G	24·8	4	+ ·030	− ·38
		80	22·8	3	+ ·035	− ·31
					+ ·033	− ·35
8007	9·3	G	19·0	3	−0·004	−0·06
8014	8·4	G	19·0	3	+ ·015	− ·11
		Z	27·0	2	+ ·020	− ·06
					+ ·016	− ·09
8015	8·1	G	23·1	5	·000	− ·07
		80	22·9	3	+ ·003	+ ·01
					+ ·001	− ·02
8017	4·7	t	55:5:56·4	5:4	− ·005	·00
		40	57·7:62·7	1	− ·006	− ·01
		60	58·7	1	− ·007	+ ·03
		65	34·7	7	− ·005	− ·01
		M	28·7	3	− ·006	− ·03
		G	22·2	5	− ·007	− ·02
		80	20·8	3	− ·008	+ ·01
		85	13·7	2	− ·002	·00
		90	8·9	6	− ·009	+ ·02
					− ·006	·00
8018	7·3	G	19·4	6	− ·005	− ·05
		Z	25·9	1	− ·009	+ ·04
					− ·005	− ·04
8019	9·4	Z	25·9	1	− ·005	+ ·04
8021	7·0	G	22·0	4	− ·009	− ·01
		80	19·0	3	− ·004	+ ·05
					− ·006	+ ·03
8023	8·0	G	21·5	5	− ·004	+ ·03
		80	20·7	3	− ·001	+ ·05
		m	21 7	4	− ·003	+ ·02
					− ·003	+ ·03
8024	7·5	G	21·4	4	·000	− ·07
		80	23·0	3	− ·003	·00
					− ·001	− ·03
8025	7·2	G	24·8	5	− ·021	− ·24
		80	22·9	3	− ·011	− ·19
					− ·018	− ·21
8026	8·2	G	22·7	5	− ·001	− ·02
		80	22·9	3	+ ·003	·00
					·000	− ·01
8027	9·0	Z	24·1	1	− ·004	− ·03
8028	7·0	M	34·1	6:7	+ ·004	+ ·03
		G	22·9	4	+ ·003	·00
		Ms	18·0	5	+ ·002	− ·02
		80	23·0	3	− ·003	+ ·04
					+ ·003	+ ·02
8031	8·0	Z	24·2	2	− ·004	− ·01
8032	7·1	G	21·6:21·4	4:5	− ·001	− ·06
		80	21·8	3	− ·004	− ·03
					− ·002	− ·04
8033	8·0	G	16·5	3	− ·001	− ·02
		Z	24·1	2	− ·002	− ·09
		Ms	26·4	5	− ·003	− ·03
					− ·002	− ·04
8035	7·7	G	18·2	4	+ ·002	+ ·01
		Z	25·6	3	− ·003	− ·04
					·000	·00
8036	8·0	G	17·0	3	−0·007	+0·01
		Z	23·0	1	− ·007	+ ·02
					− ·007	+ ·01
8037	7·5	t	58·9:59·0	4:3	− ·008	+ ·01
		50	45·2:46·6	2	− ·003	+ ·03
		G	20·4	5	− ·002	− ·01
		80	19·9	3	+ ·002	+ ·02
		m	16·9	4:3	− ·001	− ·05
					− ·003	+ ·01
8038	9·0	Z	25·9	1	− ·006	+ ·05
		Ms	29·3	5	− ·007	·00
					− ·007	+ ·01
8039	8·6	G	19·0	4	− ·008	− ·08
		Z	26·3	3	− ·005	− ·10
					− ·007	− ·08
8040	9·0	G	18·8	3	·000	+ ·01
		Z	26·9	1	·000	− ·04
					·000	·00
8041	7·3	G	23·7	4	− ·009	− ·03
		80	21·7	3	− ·001	+ ·03
					− ·005	+ ·01
8042	9·0	G	16·0	3	− ·005	− ·04
		Z	23·9	1	− ·004	− ·09
					− ·005	− ·05
8043	8·1	G	19·3	4	+ ·023	− ·02
		Z	26·5	2	+ ·018	− ·03
		Ms	33·3	6	+ ·017	·00
					+ ·019	− ·01
8044	9·0	Z	24·3	1	+ ·005	+ ·09
8046	8·8	G	19·3	4	+ ·002	− ·03
		Z	26·8	2	+ ·004	− ·04
					+ ·002	− ·03
8047	8·1	G	17·9	3	+ ·003	− ·01
		Z	25·9	1	− ·003	+ ·12
					+ ·002	+ ·02
8048	8·5	Z	23·9	2	− ·001	·00
8053	10·0	Z	23·9	1	− ·008	·00
8054	9·0	Z	23·9	1	− ·001	− ·16
8055	9·0	Z	25·0	1	− ·003	+ ·01
8056	9·2	Z	24·7	1	− ·006	+ ·06
8057	7·0	t	60·9	3	+ ·001	− ·06
		50	47·1:48·6	1:2	+ ·001	− ·01
		G	23·2	5	+ ·004	− ·04
		80	22·9	3	+ ·002	+ ·02
					+ ·002	− ·03
8058	9·0	Z	25·9	2	− ·001	− ·45
8059	6·8	t	61·6:58·9	3:7	+ ·001	− ·09
		40	56·5	1	− ·004	...
		50	44·8:46·6	2	+ ·003	− ·06
		G	22·6	4	− ·007	− ·11
		80	19·6	3	·000	− ·08
					− ·001	− ·08

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
8061	8·7	G	19·0	4	+0·006	−0·03
		Z	26·9	2	·000	+ ·01
					+ ·005	− ·02
8062	8·0	G	18·8	2:3	− ·007	− ·03
		Z	25·7	1	− ·009	− ·02
					− ·007	− ·03
8063	8·4	Z	26·4	2	+ ·006	− ·06
8064	9·0	Z	24·9	2	− ·005	+ ·01
8065	6·8	G	22·6	4	− ·010	− ·04
		Ms	31·5	5	− ·006	+ ·01
		80	19·6	3	− ·009	+ ·01
					− ·008	·00
8066	7·5	50	46·1:47·7	2	+ ·011	− ·08
		G	22·4:22·1	4:5	+ ·008	− ·08
		Ms	17·0	5	+ ·011	− ·08
		80	22·0	3	+ ·007	− ·04
					+ ·010	− ·07
8067	8·4	G	19·8	3	− ·007	− ·03
		Z	25·2	2	− ·005	− ·05
					− ·007	− ·04
8068	7·9	G	18·9	3	− ·001	− ·02
		Z	26·5	2	− ·002	+ ·02
					− ·001	− ·01
8070	7·9	G	22·1	5	·000	− ·02
		80	22·9	2	·000	+ ·03
					·000	·00
8071	7·8	Z	23·5	2	·000	− ·01
8073	8·9	Z	25·7	1	+ ·001	− ·02
8075	7·5	t	60·8	3	+ ·004	− ·08
		50	47·8:48·5	2	+ ·007	− ·06
		60	41·9	1	+ ·005	− ·07
		65	30·7	1	− ·004	− ·02
		G	24·6	5	+ ·005	− ·09
		80	22·9	3	+ ·007	− ·04
					+ ·004	− ·07
8078	9·3	Z	26·1	1	+ ·002	− ·02
8079	8·5	G	16·2	3	·000	− ·02
		Z	23·2	1	− ·014	+ ·02
					− ·002	− ·01
8080	8·4	G	18·0	4	+ ·005	− ·02
		Z	25·7	1	+ ·005	− ·05
					+ ·005	− ·02
8082	8·8	Z	25·8	1	− ·008	+ ·02
8083	8·5	Z	25·9	2	+ ·007	− ·01
8084	8·0	Z	26·8	1	+ ·010	− ·05
8086	8·5	G	18·0	3	+ ·003	+ ·02
		Z	25·4	2	− ·006	− ·01
					+ ·001	+ ·01
8088	8·8	G	19·0	3	·000	− ·03
		Z	27·0	1	+ ·008	·00
					+ ·001	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
8090	6·5	t	59·3:58·1	5	−0·002	−0·35
		40	57·8	1	− ·003	...
		50	45·9:47·1	2:3	+ ·001	− ·35
		G	22·5	3	− ·007	− ·33
		80	21·7	3	− ·003	− ·29
					− ·002	− ·34
8091	2·0	t	56·8:57·0	6:5	+ ·026	-- ·01
		40	57·9:61·7	1:2	+ ·012	− ·04
		50	45·9:47·3	2:3	+ ·012	-- ·05
		60	38·5	7	+ ·010	− ·02
		M	28·9	3	+ ·012	− ·03
		G	23·2	9	+ ·008	− ·04
		Ms	18·8	10	+ ·016	− ·04
		80	21·9	3	+ ·009	− ·01
		85	13·9	8	+ ·007	+ ·01
		90	7·1	8	+ ·006	·00
					+ ·014	− ·03
8093	6·5	t	59·9	3	− ·002	+ ·02
		50	46·0:47·6	1:2	+ ·004	+ ·04
		G	21·7	5	+ ·002	+ ·01
		80	21·0	3	+ ·006	+ ·03
		m	17·9	4	− ·001	+ ·04
					+ ·001	+ ·03
8094	9·4	Z	26·1	1	+ ·005	− ·02
8095	9·1	Z	24·0	1	− ·005	− ·08
8096	9·7	Z	25·6	1	− ·010	+ ·03
8097	6·0	t	61·7:62·4	2:4	− ·003	− ·11
		50	44·8:46·1	3	− ·001	− ·08
		M	29·6	3	− ·001	− ·09
		G	20·7	4	− ·006	− ·08
		Ms	16·8	5	− ·010	− ·12
		80	19·7	3	− ·004	− ·11
		90	5·6	6	− ·011	− ·18
					− ·002	− ·10
8098	7·8	G	16·7	3	− ·001	− ·04
		Z	24·3	3	− ·001	− ·04
					− ·001	− ·04
8099	9·3	Z	26·9	2	− ·001	+ ·02
8100	9·0	Z	25·3	2	− ·001	+ ·06
8102	8·5	Z	23·8	2	+ ·004	− ·13
		Ms	30·4	5	·000	− ·07
					·000	− ·08
8104	8·0	G	22·9	6	− ·013	− ·05
		80	19·5	3	− ·009	− ·03
					− ·012	− ·04
8106	9·2	G	14·9	4	− ·009	− ·01
		Z	25·6	1	+ ·003	− ·09
					− ·007	− ·02
8108	6·0	t	59·9	3	− ·008	− ·02
		40	62·0	4	− ·006	...
		50	46·0:47·5	3:2	− ·005	− ·02
		G	24·3	5	− ·013	− ·05
		Ms	16·9	5	− ·008	− ·11
		80	22·0	3	− ·009	+ ·01
					− ·007	− ·02

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
8111	9·1	G	17·9	3	+0·011	−0·12
		Z	25·9	1	+ ·017	+ ·04
					+ ·012	− ·09
8112	6·5	t	60·9	3	+ ·017	− ·06
		50	47·1:48·5	1:2	+ ·021	− ·05
		G	23·9	4	+ ·020	− ·07
		80	23·0	3	+ ·020	− ·04
					+ ·019	− ·05
8113	8·6	G	17·9	4	− ·003	− ·06
		Z	25·9	2	− ·003	− ·10
					− 003	− ·07
8114	8·0	G	18·0	3	+ ·006	+ ·01
		Z	25·9	1	+ ·005	+ ·01
					+ ·006	+ ·01
8115	9·5	Z	23·9	1	− ·027	− ·07
8117	7·0	t	59·0	6	+ ·009	− ·27
		50	47·1:48·6	2	+ ·009	− ·28
		G	23·9	4	+ ·011	− ·28
		80	23·0	3	+ ·009	− ·23
					+ ·009	− ·27
8118	9·3	Z	24·3	2	+ ·001	− ·05
8119	9·2	G	17·6	3	·000	− ·05
		Z	25·3	3	− ·008	− ·04
					− ·003	− ·05
8120	8·3	G	18·0	3	+ ·007	+ ·01
		80	21·9	3	+ ·003	− ·01
					+ ·006	·00
8122	8·3	G	17·9	3	+ ·001	+ ·03
		Z	25·4	2	− ·002	·00
					·000	+ ·02
8124	9·6	G	14·9	2	− ·009	+ ·08
		Z	23·9	1	− ·004	+ ·03
					− ·008	+ ·07
8126	4·0	t	57·5:57·9	6:5	+ ·010	− ·08
		40	61·4:64·6	6:8	+ ·008	− ·07
		50	47·0:48·5	2	+ ·010	− ·06
		60	39·9	12:13	+ ·013	− ·06
		M	29·9	3	+ ·011	− ·06
		G	20·0	13	+ ·010	− ·04
		Ms	22·0	5	+ ·013	− ·06
		80	23·0	3	+ ·009	− ·04
		85	15·0	8	+ ·010	− ·02
		90	9·7:9·5	12:14	+ ·017	− ·03
					+ ·011	− ·06
8127	9·5	Z	26·9	1	+ ·001	− ·05
8130	8·4	Z	25·9	2	− ·009	− ·02
8131	8·0	G	17·1	3	− ·001	− ·14
		Z	23·6	2	·000	-- ·08
		Ms	27·0	5	+ ·003	− ·02
					+ ·001	− ·06
8136	9·3	Z	27·0	2	− ·001	·00
8137	8·5	G	17·6	3	− ·002	+ ·06
		Z	25·3	3	− ·002	·00
					− ·002	+ ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
8141	8·0	G	19·6	5	−0·039	−0·27
		80	19·0	3	− ·041	− ·24
					− ·040	− ·25
8142	8·8	Z	25·4	2	− ·007	− ·02
8143	9·4	G	18·9	1	+ ·006	+ ·06
		Z	27·0	1	+ ·003	− ·03
					+ ·005	+ ·03
8144	9·1	Z	25·0	1	− ·008	− ·12
		Ms	28·3	5	− ·011	− ·01
					− ·011	− ·02
8145	7·8	G	20·6	5	− ·007	− ·01
		80	19·0	3	− ·005	− ·02
					− ·006	− ·02
8146	9·5	Z	23·7	1	− ·002	·00
8147	8·9	Z	25·9	1	− ·009	− ·12
8148	7·5	G	17·9	3	+ ·005	− ·04
		Z	25·7	1	+ ·005	·00
					+ ·005	− ·03
8149	7·6	G	22·4	4	·000	− ·06
		80	23·0	3	+ ·002	− ·01
					+ ·001	− ·03
8150	7·5	G	21·6	4	+ ·004	− ·06
		80	23·0	3	+ ·003	− ·04
					+ ·003	− ·05
8152	8·3	G	16·0	3	− ·011	− ·01
		Z	23·5	2	− ·010	+ ·03
		Ms	14·0	5	+ ·001	− ·09
					− ·009	− ·03
8153	8·9	Z	24·8	1	− ·004	+ ·06
8154	7·5	50	46·0:47·4	2	+ ·006	− ·04
		G	21·6	5	+ ·003	− ·07
		80	21·8	3	− ·001	− ·03
					+ ·003	− ·04
8157	6·0	40	58·9	1	+ ·022	...
		50	47·9:48·6	2	+ ·022	− ·08
		G	22·7	5	+ ·019	− ·12
		80	23·0	3	+ ·023	− ·10
					+ ·021	− ·09
8158	9·5	Z	27·0	1	+ ·005	− ·01
8160	9·1	Ms	18·0	5	+ ·003	− ·20
8162	8·0	G	17·3	4	− ·002	− ·02
		Z	24·0	1	− ·010	+ ·13
					− ·003	·00
8165	7·6	G	22·9	3:4	+ ·003	− ·10
		80	22·0	3	− ·001	− ·06
					+ ·001	− ·08
8166	6·5	t	60·6	5	− ·026	+ ·03
		G	23·1	5	− ·024	+ ·04
		80	23·0	3	− ·031	+ ·10
					− ·026	+ ·04
8167	8·5	Z	24·4	2	−0·001	−0·04
		80	19·9	3	− ·003	− ·01
					− ·003	− ·01
8168	7·5	G	22·3	4	− ·002	·00
		80	21·7	3	− ·004	+ ·06
					− ·003	+ ·04
8171	7·0	G	22·2	6	− ·003	− ·03
		80	19·2	3	+ ·004	+ ·02
					− ·001	·00
8172	7·5	G	20·8	6	+ ·001	− ·04
		80	19·4	3	− ·012	− ·03
					− ·003	− 03
8173	8·5	Z	24·4	2	− ·003	− ·01
8176	6·0	50	47·4:48·5	2	− ·003	− ·02
		G	25·0	4	− ·010	− ·01
		80	22·9	3	− ·007	+ ·01
					− ·006	− ·01
8177	9·0	Ms	31·1	5	− ·007	− ·04
8178	9·2	Z	25·8	1	·000	− ·03
8179	9·3	Z	26·9	2	+ ·006	·00
8180	7·5	G	22·8	4	+ ·006	− ·07
		80	21·8	3	+ ·003	− ·01
					+ ·004	− ·03
8181	8·3	Z	25·9	1	− ·001	− ·01
8182	8·6	G	18·9	3	+ ·014	− ·04
		Z	27·0	1	+ ·012	− ·06
					+ ·014	− ·04
8183	8·5	Z	24·0	2	+ ·009	·00
8184	7·9	G	23·9	5	− ·003	·00
		80	23·0	3	− ·008	+ ·03
					− ·005	+ ·02
8186	9·0	Z	24·6	1	− ·002	− ·08
8188	9·0	Z	25·4	2	+ ·005	− ·02
8189	9·5	G	17·0	2	+ ·001	− ·04
		Z	27·0	1	+ ·005	− ·07
					+ ·002	− ·05
8191	8·0	G	21·3	5	+ ·001	− ·06
		80	21·9	3	+ ·003	− ·01
		90	11·0	8	+ ·005	·00
					+ ·002	− ·02
8193	9·5	G	17·9	3	− ·004	+ ·03
		Z	24·9	1	− ·004	+ ·01
					− ·004	+ ·03
8195	7·3	G	22·0	4:3	− ·013	− ·06
		80	19·1	3	− ·007	− ·07
					− ·010	− ·07
8196	7·2	G	23·3	5	+ ·009	− ·02
		80	23·0	3	+ ·007	− ·01
		90	11·9	6	+ ·016	− ·03
					+ ·009	− ·02
8198	8·9	Z	25·7	1	−0·005	+0 03
8199	9·0	Z	23·7	3	− ·002	+ ·04
8201	9·0	Z	27·0	2	− ·003	− ·01
8202	8·8	Z	24·7	1	− ·004	− ·10
8203	7·5	G	22·8	5	+ ·021	− ·25
		80	22·9	3	+ ·013	− ·22
					+ ·018	− ·23
8204	7·3	50	47·0:48·1	1:2	− ·004	− ·04
		G	21·1	5	− ·008	− 11
		80	21·9	3	− ·006	·00
					− ·006	− ·04
8207	9·0	Z	24·1	1	− ·001	− ·06
8208	7·0	G	26·0	4	− ·001	− ·05
		80	22·9	3	+ ·004	− ·01
					+ ·001	− ·03
8209	8·0	G	22·6	4	+ ·002	− ·07
		80	21·7	3	− ·001	− ·02
					·000	− ·04
8210	7·5	G	19·2	7	·000	− ·19
		80	19·4	3	− ·001	− ·15
					·000	− ·17
8211	6·5	G	22·4	4	− ·005	+ ·02
		80	19·4	3	+ ·002	+ ·01
					− ·001	+ ·01
8212	8·3	G	20·5	5	+ ·006	− ·03
		80	22·0	3	·000	+ ·03
					+ ·004	+ ·01
8214	6·0	t	58·6	3	− ·008	+ ·07
		50	45 6:46·3	2	+ ·001	+ ·06
		G	22·7:22·5	7:6	− ·011	+ ·02
		80	19·5	3	− ·004	+ ·06
		m	16·6	4	− ·005	+ ·04
					− ·006	+ ·06
8215	8·7	Z	27·0	2	− ·002	− ·02
8216	9·6	Z	24·9	1	− ·010	+ ·03
8217	9·2	Z	23·9	2	− ·005	+ ·02
8218	7·5	G	16·4	3	− ·018	− ·07
		Ms	15·3	5	− ·009	− ·07
		80	19·4	3	− ·018	− ·05
					− ·017	− ·06
8219	9·5	Z	24·9	1	+ ·002	− ·02
8221	7·0	G	21·0	4	− ·007	− ·02
		Ms	14·8	5	− ·008	(+ ·17)
		80	19·0	3	− ·009	− ·03
					− ·008	− ·03
8224	9·0	Z	25·8	1	− ·001	− ·01
8230	7·5	Z	26·9	1	− ·002	− ·01
8231	9·7	Z	27·1	1	+ ·001	− ·04

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
8232	9·0	Z	24·1	2	+0·002	−0·01
8233	4·0	t	56·9	6:5	− ·005	− ·05
		40	57·9:63·4	1:3	− ·005	− ·04
		50	47·0	1	− ·005	...
		60	38·7	9	− ·006	− ·02
		M	27·8	4	− ·004	− ·04
		G	21·4	4	− ·005	− ·05
		Ms	19·1	5	− ·007	− ·11
		80	20·9	3	− ·004	− ·02
		85	13·9	5	− ·004	+ ·01
		90	7·1	8	− ·008	·00
					− ·005	− ·03
8234	6·5	t	59·9	2	+ ·005	+ ·01
		50	47·5:48·3	2:5	− ·003	− ·03
		G	22·9	4	+ ·003	− ·03
		80	22·9	3	·000	+ ·03
					+ ·001	− ·01
8235	8·5	Z	24·6	1	− ·010	+ ·05
8237	8·5	Z	27·0	1	− ·005	− 08
8238	9·5	Z	23·0	1	− ·004	− ·01
8243	8·0	G	17·6	3	+ ·003	− ·06
		Z	25·6	1	+ ·004	+ ·04
					+ ·003	− ·04
8244	9·0	Z	25·0	1	+ ·006	+ ·01
8245	8·3	G	19·0	3	+ ·009	− ·03
		Z	26·9	1	+ ·005	− ·04
					+ ·008	− ·03
8246	6·0	t	59·1:60 2	6:7	− ·035	− ·03
		50	44·5:45·7	2:3	− ·030	− ·02
		G	20·2	8	− ·040	− ·03
		80	19·0	3	− ·037	− ·07
					− ·035	− ·03
8247	7·0	t	57·6:58·0	8:9	+ ·004	− ·06
		40	56·4	2	− ·002	...
		50	44·5:45·9	2	·000	− ·04
		G	22·6	5	− ·005	− ·08
		80	19·3	3	− ·002	− ·01
		m	16·3	3	·000	− ·09
					·000	− ·06
8249	4·0	t	62·1:61·6	13:11	+ ·012	− ·07
		50	45·7:47·3	2	+ ·014	− ·05
		60	38·5	6:7	+ ·014	− ·03
		M	·28·7	3	+ ·014	− ·07
		G	18·5	13	+ ·013	− ·03
		Ms	18·0	5	+ ·002	− ·02
		80	21·7	3	+ ·017	− ·01
		85	13·8	7	+ ·014	− ·06
		90	9·1	7	+ ·015	− ·03
					+ ·013	− ·05
8250	9·0	G	16·9	3	+ ·014	− ·05
		Z	24·4	2	+ ·005	− ·05
					+ ·012	− ·05
8251	7·2	G	23·4	5	− ·004	− ·03
		80	20·0	3	+ ·002	− ·04
					− ·002	− ·04
8254	9·1	Z	27·0	2	− ·013	− ·33
8256	9·8	Z	26·9	1	−0·006	−0·03
8257	9·0	G	17·6	3	− ·001	− ·07
		Z	25·6	1	− ·002	− ·04
					− ·001	− ·06
8258	8·3	G	20·8	5	·000	− ·02
		80	19·9	3	+ ·001	− ·03
					·000	− ·03
8259	9·8	Z	24·0	2	− ·004	+ ·01
8261	7·9	Ms	17·0	5	+ ·007	·00
8262	7·5	G	20·0	3	− ·001	− ·06
		Z	25·9	1	− ·005	·00
					− ·002	− ·05
8264	9·0	Z	24·1	1	− ·005	·00
8265	6·5	t	60·9	3	− ·005	− ·03
		G	25·3	6	− ·006	− ·06
		80	22·9	3	+ ·002	− ·03
					− ·004	− ·04
8266	9·0	G	19·4	4	− ·007	− ·05
		Z	24·4	1	− ·012	+ ·04
					− ·008	− ·04
8269	9·5	Z	24·1	1	− ·008	− ·07
8270	7·5	Z	25·8	1	− ·002	− ·01
8271	8·5	G	23·9	4	− ·002	− ·07
		80	22·9	3	− ·008	− ·02
					− ·005	− ·04
8272	9·3	G	17·7	3	+ ·009	− ·04
		Z	24·6	1	+ ·002	+ ·03
					+ ·008	− 03
8274	6·3	t	59·6:60·2	6:7	+ ·003	− ·12
		M	29·0	5:3	+ ·009	− ·12
		G	19·0	5	+ ·004	− ·12
		80	19·0	3	+ ·003	− ·10
					+ ·006	− ·12
8276	9·0	Z	24·0	1	− ·002	+ ·09
8277	9·2	Z	23·9	1	+ ·003	− ·10
8279	9·5	Z	27·0	1	+ ·005	− ·03
8280	9·3	Z	23·9	1	+ ·001	+ ·01
8282	9·5	Z	24·6	1	+ ·002	− ·13
8283	8·5	Z	25·6	1	+ ·001	+ ·02
8285	8·9	Z	25·9	1	+ ·043	+ ·16
8286	8·5	G	20·3	6	+ ·001	·00
		80	19·1	3	− ·006	+ ·05
					− ·001	+ ·02
8287	8·8	Z	23·9	1	+ ·001	− ·01
8288	8·5	Z	25·9	2	+ ·007	+ ·06
8289	7·0	t	61·8:62·3	3	−0·008	″0·00
		G	22·8	4	− ·012	+ ·01
		80	19·8	3	− ·007	+ ·02
		90	2·8	12	− ·011	− ·04
					− ·009	+ ·01
8290	8·7	G	17·9	3	+ ·008	− ·25
		Z	25·9	1	+ ·003	− ·22
					+ ·007	− ·24
8291	8·3	Z	25·6	1	− ·001	+ ·07
8293	7·0	G	21·9:22·5	4:5	− ·002	− ·05
		80	22·9	3	− ·007	− ·01
					− ·004	− ·03
8298	9·0	Z	27·0	2	+ ·003	+ ·02
8299	9·4	G	17·7	3	+ ·003	− ·02
		Z	23·9	3	− ·005	+ ·01
					·000	− ·01
8300	8·0	G	17·9	3	− ·001	− ·02
		Z	25·9	2	− ·001	− ·02
		Ms	29·6	5	− ·004	− ·02
					− ·002	− ·02
8301	7·8	G	18·7	8	− ·006	− ·04
		Ms	15·0	5	− ·009	− ·04
		80	19·0	3	− ·004	+ ·03
					− ·006	− ·01
8302	7·0	t	60·9	3	− ·005	− ·02
		G	23·0	6	− ·001	+ ·02
		80	23·0	3	+ ·001	+ ·01
					− ·003	− ·01
8304	7·8	G	20·0	8	+ ·002	− ·08
		80	19·7	3	− ·001	− ·03
					+ ·001	− ·05
8306	6 2	t	60·9	3	− ·005	− ·10
		40	63·1	4	+ ·002	...
		50	47·8:48·4	2:4	+ ·006	− ·07
		G	25·3	6:5	− ·002	− ·14
		80	23·0	3	+ ·004	− ·07
					+ ·001	− ·09
8307	9·0	Z	24·6	1	+ ·001	+ ·03
8309	8·3	G	17·1	3	− 007	− ·08
		Z	24·2	2	− ·003	+ ·03
					− ·006	− ·04
8311	7·4	G	20·1	4	·000	− ·08
		Z	25·9	1	− ·002	− ·01
					·000	− ·07
8312	8·5	G	16·1	3	+ ·006	+ ·01
		Z	24·4	3	+ ·003	+ ·04
					+ ·005	+ ·02
8313	9·2	G	15·7	1	− ·009	− ·04
		Z	25·7	1	− ·002	·00
					− ·007	− ·03
8314	7·8	Z	23·4	2	+ ·001	+ ·02
8317	9·0	G	17·0	2	+ ·010	− ·01
		Z	27·0	1	+ ·015	− ·02
					+ ·011	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
8318	9·0	Z	24·3	1	+0·009	−0·16
		Ms	25·8	5	+ ·005	− ·13
					+ ·006	− ·13
8319	9·2	Z	25·8	1	− ·007	− ·04
8321	7·1	t	58·4	3:2	− ·010	− ·01
		5o	45·4:46·0	2	− ·002	− ·01
		G	20·5	5	− ·005	− ·02
		8o	19·4	3	− ·005	+ ·04
		m	16·4	3	− ·004	− ·02
					− ·006	− ·01
8323	7·0	t	58·4:58·7	9:11	− ·001	− ·03
		4o	56·7	1	− ·004	...
		5o	45·9:46·3	1:2	·000	·00
		G	23·1	6	− ·008	− ·03
		8o	19·8	3	+ ·008	− ·04
					− ·002	− ·03
8324	9·1	Z	24·4	2	− ·007	− ·02
8325	9·3	Z	26·9	2	− ·005	+ ·01
8326	8·0	G	19·1	4	− ·004	− ·03
		Z	24·6	1	+ ·004	·00
					− ·003	− ·03
8329	8·8	Z	25·9	1	− ·008	− ·08
8331	8·8	G	16·0	4	− ·001	·00
		Z	23·5	2	− ·006	+ ·05
					− ·002	+ ·01
8334	8·2	G	20·7	4	− ·013	+ ·01
		Z	25·7	1	− ·010	+ ·02
					− ·013	+ ·01
8337	8·3	G	19·8	5	− ·008	− ·09
		8o	19·0	3	− ·007	− ·03
					− ·008	− ·05
8340	8·9	Z	25·8	1	+ ·017	+ ·01
8341	8·1	G	19·1	3	·000	+ ·02
		Z	26·0	3	·000	+ ·01
					·000	+ ·02
8343	9·0	Z	24·3	1	− ·005	− ·06
8344	8·5	G	16·6	3	− ·002	− ·03
		Z	24·2	3	− ·005	− ·01
					− ·003	− ·02
8345	6·0	t	60·5	4	− ·005	− ·01
		4o	63·0	4	·000	...
		5o	47·9:48·7	2	− ·001	·00
		G	24·1	6	− ·002	− ·02
		8o	23·0	3	+ ·002	+ ·04
					− ·001	·00
8346	7·2	t	61·0	4	− ·007	− ·02
		G	22·2	5	− ·001	·00
		8o	23·0	3	− ·003	+ ·03
					− ·005	− ·01
8347	9·0	G	17·7	3	− ·003	− ·07
		Z	24·7	1	− ·004	− ·05
					− ·003	− ·07
8349	8·2	Z	23·4	2	−0·003	0·00
		Ms	33·7	4	− ·002	− ·02
					− ·002	− ·02
8350	9·0	Z	24·0	1	+ ·011	− ·08
8351	7·0	t	57·9:57·8	6:7	− ·002	− ·04
		5o	47·1:47·6	2	+ ·001	− ·02
		G	23·2	6	− ·004	− ·05
		8o	21·9	3	+ ·002	− ·03
		m	21·9	3	− ·001	− ·05
					− ·001	− ·04
8352	8·3	Z	27·0	1	+ ·003	+ ·06
8354	8·4	G	19·9	3	− ·002	− ·04
		Z	27·0	2	+ ·003	− ·04
					− ·001	− ·04
8355	9·0	Z	24·5	1	− ·004	− ·07
8359	8·0	G	17·8	3	+ ·002	− ·16
		Z	25·8	1	+ ·009	− ·09
					+ ·003	− ·15
8360	9·0	Z	24·0	1	− ·009	·00
8363	6·8	t	59·3	7	− ·009	− ·12
		6o	36·5:36·9	1:2	− ·004	− ·08
		65	32·6	5	− ·012	− ·12
		G	22·4	4	− ·016	− ·05
		Ms	15·3	5	− ·003	− ·05
		8o	19·3	3	− ·009	− ·08
		m	16·2	3	− ·012	− ·15
					− ·010	− ·10
8364	9·3	Z	27·0	1	− ·005	− ·03
8365	9·3	Z	20·9	1	− ·006	·00
8366	6·5	t	59·9	3	− ·002	·00
		4o	61·8	4	+ ·001	...
		5o	46·9:48·1	2	·000	− ·02
		G	24·2	6	− ·002	− ·07
		8o	21·9	3	− ·001	− ·01
		9o	9·3	6	+ ·009	·00
					·000	− ·02
8367	7·7	G	21·0	4	·000	− ·04
		8o	19·0	3	− ·005	− ·06
					− ·002	− ·05
8368	7·5	G	18·8	3	+ ·002	− ·08
		Z	23·3	2	+ ·005	·00
					+ ·003	− ·05
8369	9·5	Z	25·5	2	+ ·003	·00
8370	9·1	Z	25·9	1	− ·007	− ·03
8371	8·0	G	19·0	4	+ ·003	− ·01
		Z	26·0	2	− ·001	− ·02
					+ ·002	− ·01
8372	9·2	Z	27·0	1	+ ·016	− ·08
8373	9·0	Z	24·1	1	− ·005	+ ·02
8374	7·9	G	23·9	4	+ ·002	+ ·01
		8o	23·0	3	− ·001	·00
					·000	·00
8375	7·0	G	22·1	8	−0·006	−0·01
		8o	21·8	3	·000	+ ·06
					− ·004	+ ·02
8377	8·0	G	21·0	4	+ ·001	− ·03
		Ms	26·2	5	− ·002	+ ·03
		8o	19·0	3	− ·002	− ·03
					− ·001	− ·01
8379	8·2	G	19·8	3	− ·001	− ·08
		Z	24·4	2	− ·002	+ ·12
					− ·001	− ·01
8380	8·3	G	19·8	4	− ·002	− ·07
		Z	25·5	3	− ·006	·00
					− ·003	− ·06
8381	8·8	G	17·8	3	+ ·007	·00
		Z	25·8	1	+ ·005	− ·04
					+ ·007	− ·01
8384	9·4	Z	27·0	1	− ·012	+ ·02
8385	8·6	G	18·9	3	− ·001	− ·03
		Z	24·4	2	− ·004	·00
					− ·002	− ·02
8386	8·5	Z	24·0	1	− ·004	− ·02
8387	4·8	t	62·9:63·0	14:7	+ ·002	− ·05
		4o	58·5:61·0	2:9	·000	− ·01
		5o	45·1:45·8	3:2	+ ·002	− ·02
		6o	36·8	5:6	·000	− ·03
		M	26·9	3	·000	− ·04
		G	18·1:18·4	18:19	− ·002	− ·04
		Ms	17·2	5	− ·013	− ·10
		8o	19·1	3	+ ·003	− ·01
		9o	8·5	12:11	+ ·006	− ·07
					+ ·001	− ·03
8388	9·6	Z	26·0	1	− ·015	·00
8389	8·3	G	18·6	3	+ ·015	− ·36
		Z	23·1	2	+ ·012	− ·31
					+ ·014	− ·34
8392	9·5	G	14·1	2	− ·011	− ·04
		Z	24·1	1	− ·010	− ·10
					− ·011	− ·05
8393	6·9	G	24·2	6	+ ·001	− ·07
		8o	21·7	3	+ ·003	− ·01
					+ ·002	− ·04
8395	9·0	Z	24·7	1	+ ·001	− ·13
8396	9·1	G	18·9	4	+ ·003	− ·06
		Z	25·4	2	·000	− ·05
					+ ·002	− ·06
8398	8·4	Z	24·8	1	+ ·001	+ ·02
8400	9·1	Z	24·4	1	− ·012	+ ·01
8401	9·0	Z	26·0	2	+ ·008	− ·23
8402	8·5	G	17·9	3	− ·001	− ·02
		Z	24·9	1	− ·004	+ ·01
					− ·001	− ·01

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	"
8403	9·3	Z	23·2	2	+0·005	−0·01
8406	9·5	Z	21·9	1	+ ·001	− ·04
8407	9·4	Z	27·1	1	− ·003	− ·02
8408	7·0	t	59·8	3:2	− ·001	− ·03
		G	19·8	6	·000	− ·04
		80	20·7:20·8	3	+ ·001	+ ·01
					·000	− ·02
8410	9·0	Z	25·9	1	+ ·004	− ·02
8411	8·2	Z	27·0	1	− ·019	+ ·04
8414	7·3	G	24·1	5	− ·005	− ·02
		Ms	18·3	5	− ·007	− ·10
		80	21·9	3	− ·008	+ ·03
					− ·006	− ·01
8415	8·3	Z	23·5	2	− ·003	− ·03
8416	8·9	Z	27·0	1	− ·008	·00
8417	8·5	G	19·8	5	·000	− ·03
		Z	24·2	1	+ ·005	− ·03
					·000	− ·03
8418	9·0	G	19·9	3	+ ·002	+ ·06
		Z	24·9	1	− ·002	+ ·07
					+ ·001	+ ·06
8421	9·0	Z	24·4	2	− ·007	− ·05
8423	9·3	Z	24·5	2	− ·004	·00
8424	8·0	G	19·9	3	− ·005	− ·05
		Z	26·4	2	− ·008	− ·02
					− ·006	− ·04
8425	8·8	G	19·0	3	− ·001	·00
		Z	26·5	2	− ·002	− ·02
					− ·001	− ·01
8426	9·4	G	18·2	3	− ·004	− ·03
		Z	25·0	3	− ·003	+ ·03
					− ·004	− ·01
8427	7·2	t	58·4	3	+ ·001	− ·06
		50	45·3	2	+ ·001	...
		G	20·6:20·4	8:7	− ·001	− ·07
		80	19·4	3	− ·003	− ·04
		m	16·4	3	− ·005	− ·09
					− ·001	− ·06
8430	9·3	G	17·9	4	+ ·003	− ·17
8431	6·7	G	23·0:23·2	9:8	− ·006	·00
		80	21·7	3	− ·007	+ ·02
					− ·006	+ ·01
8433	8·0	G	20·0	5	+ ·008	+ ·01
		80	19·1	3	+ ·005	+ ·05
					+ ·007	+ ·03
8434	8·2	G	23·9	4	− ·003	− ·01
		80	22·9	3	− ·007	+ ·07
					− ·005	+ ·04
8435	9·5	Z	23·5	1	+ ·008	− ·01
8436	7·2	t	59·9	3	−0·002	−0·08
		G	23·9	4	− ·004	− ·10
		80	22·0	3	+ ·001	− ·07
					− ·002	− ·08
8438	6·2	50	46·9:47·8	3:2	+ ·031	·00
		60	38·7:38·8	5:4	+ ·030	+ ·02
		65	31·7	3	+ ·021	+ ·02
		G	24·1	5	+ ·022	+ ·01
		80	21·8	3	+ ·032	+ ·04
					+ ·027	+ ·02
8440	7·5	G	21·4	4	+ ·001	− ·02
		Ms	15·3	5	+ ·003	·00
		80	19·4	3	− ·005	+ ·01
					− ·002	·00
8441	7·5	Z	23·7	2	− ·003	+ ·04
8443	9·0	Z	23·2	2	− ·008	− ·09
8444	8·7	G	18·9	4	·000	− ·07
		Z	24·4	2	+ ·001	+ ·02
					·000	− ·05
8445	9·5	G	17·0	2	− ·013	− ·06
		Z	27·1	1	− ·013	− ·06
					− ·013	− ·06
8447	8·0	G	18·3	4	·000	− ·08
		Z	25·8	1	− ·001	·00
					000	− ·07
8449	8·0	G	17·5	6	− ·002	− ·05
		Z	23·7	3	− ·003	− ·05
					− ·002	− ·05
8451	6·5	t	60·5:59·0	6:3	+ ·004	− ·06
		40	56·9	1	+ ·005	...
		50	46·1:46·7	2	+ ·008	− ·01
		M	31·5:29·9	4:3	+ ·008	− ·03
		G	20·8	5	+ ·007	− ·06
		80	20·0	3	+ ·005	− ·08
					+ ·006	− ·04
8452	9·1	Z	26·4	2	− ·002	− ·01
8453	9·2	Z	25·0	1	+ ·002	+ ·06
8454	8·9	G	23·5	4	− ·010	+ ·05
		80	23·0	3	− ·007	+ ·07
					− ·008	+ ·06
8456	8·5	Z	24·0	1	·000	·00
8458	5·0	t	61·0	3	− ·006	− ·04
		40	63·0	4	− ·002	...
		50	48·0:48·7	2	− ·001	+ ·01
		65	30·8	1	− ·007	·00
		G	22·9	4	− ·001	− ·07
		80	22·9	3	− ·005	+ ·01
		m	22·9	3	− ·001	− ·02
		90	9·7	12	+ ·006	− ·05
					− ·002	− ·02
8461	6·9	G	24·9	7	− ·046	− ·26
		80	23·0	3	− ·041	− ·20
					− ·044	− ·23
8462	8·5	G	21·8	5	0·000	−0·05
		80	21·7	3	·000	− ·02
					·000	− ·03
8464	6·5	G	24·2	6	− ·013	− ·04
		80	22·9	3	− ·012	·00
					− ·013	− ·02
8465	9·1	G	17·9	4	+ ·002	− ·02
		Z	24·9	1	− ·002	·00
					+ ·001	− ·02
8467	7·0	G	25·1	5	− ·003	− ·02
		80	22·9	3	+ ·002	+ ·01
					− ·001	·00
8468	7·3	G	22·7	4:3	− ·001	·00
		80	21·7	4	− ·004	+ ·02
					− ·002	+ ·01
8469	8·7	G	19·0	3	− ·001	− ·04
		Z	27·0	1	− ·012	− ·07
		Ms	32·6	5	− ·007	− ·05
					− ·005	− ·05
8470	8·5	G	16·2	3	·000	− ·04
		Z	24·2	1	·000	+ ·03
					·000	− ·03
8471	8·5	G	18·0	3	+ ·005	− ·02
		Z	23·4	2	− ·002	+ ·06
					+ ·004	+ ·01
8472	9·1	G	16·9	3	·000	− ·01
		Z	25·0	1	·000	− ·08
					·000	− ·02
8476	8·5	G	21·0	3	+ ·002	− ·03
		Z	27·1	1	+ ·007	+ ·02
					+ ·003	− ·02
8479	7·0	t	59·8	3	− ·007	+ ·02
		40	57·7	1	− ·005	...
		50	46·8:47·6	2	·000	+ ·02
		G	21·8	4	− ·002	+ ·01
		80	21·8	3	− ·005	+ ·06
		m	23·3:23·4	3	− ·005	+ ·02
					− ·004	+ ·02
8481	7·0	G	23·7	5	− ·008	+ ·01
		80	23·0	3	− ·007	− ·02
		90	5·1	12	+ ·004	·00
					− ·008	− ·01
8483	8·8	G	18·9	3	− ·007	− ·10
		Z	26·0	1	·000	·00
					− ·006	− ·08
8484	7·5	t	58·1	3	− ·002	− ·03
		G	19·3	5	+ ·001	− ·04
		80	19·1	3	− ·005	− ·01
					− ·001	− ·03
8485	7·0	50	45·3:46·0	1:3	·000	− ·06
		G	22·5:22·3	5:4	− ·010	− ·05
		80	19·2	3	+ ·005	− ·10
		m	16·2	3	− ·001	− ·18
					− ·003	− ·09

No.	Mag.	Cat.	ΔEp.	Obs.	μ_α	μ_δ
			y		s	″
8486	7·5	G	21·1:21·0	3:4	0·000	−0·05
		8o	19·8	3	− ·001	·00
					·000	− ·02
8487	9·3	Z	25·9	1	·000	+ ·04
8488	8·8	Z	25·9	1	− ·005	− ·13
8490	8·8	Z	24·4	2	− ·005	− ·02
8491	9·0	Z	24·1	1	− ·004	− ·13
8492	9·5	Z	23·9	2	− ·005	− ·03
8493	9·1	Z	24·9	1	+ ·003	− ·06
8494	9·3	Z	25·9	1	+ ·002	+ ·05
8495	7·9	5o	47·8:49·1	2	+ ·006	+ ·01
		G	23·1	5	+ ·009	− ·04
		Ms	17·8	5	+ ·008	·00
		8o	22·9	3	+ ·006	+ ·03
					+ ·007	+ ·01
8496	9·0	G	19·9	3	+ ·003	+ ·07
		Z	26·7	4	+ ·004	+ ·01
					+ ·003	+ ·04
8498	8·6	Z	25·9	1	+ ·005	− ·02
		8o	21·0	1	+ ·005	− ·10
					+ ·005	− ·08
8499	9·5	Z	21·9	1	+ ·002	− ·02
8501	9·0	Z	23·0	1	− ·006	− ·03
8502	9·1	Z	26·0	1	− ·003	− ·09
8503	8·6	Z	24·9	1	+ ·008	+ ·02
8504	8·8	G	17·0	3	+ ·005	− ·08
		Z	25·0	1	+ ·002	+ ·06
					+ ·005	− ·05
8505	8·3	G	18·3	3	·000	− ·13
		Z	24·2	1	·000	+ ·13
					·000	− ·08
8509	8·0	G	17·9	5	+ ·011	− ·08
		Z	23·5	2	+ ·012	− ·06
					+ ·011	− ·08
8512	9·0	Z	26·0	1	− ·001	·00
8513	9·0	G	16·4	3	−0·005	−0·12
		Z	23·9	2	− ·002	·00
					− ·004	− ·08
8515	7·5	t	56·3	7	·000	− ·07
		G	20·5	4	+ ·006	− ·08
		8o	18·5	1	− ·016	− ·13
					·000	− ·07
8516	7·6	G	22·0:21·8	4:5	+ ·012	− ·02
		8o	22·0	3	+ ·006	+ ·05
					+ ·009	+ ·02
8517	8·8	Z	24·7	1	+ ·004	·00
8519	9·4	Z	24·4	2	+ ·004	+ ·01
8520	9·5	G	15·9	4	− ·002	− ·04
		Z	24·1	1	− ·010	− ·05
					− ·003	− ·04
8521	8·4	G	22·7	5	− ·002	+ ·03
		8o	23·0	3	− ·008	+ ·02
					− ·004	+ ·02
8522	9·6	Z	22·0	1	+ ·002	+ ·02
8523	8·0	t	61·0	3	+ ·004	− ·05
		G	20·8	6	+ ·012	− ·04
		8o	23 0	3	+ ·012	− ·02
					+ ·008	− ·04
8524	8·8	Z	25·4	2	+ ·001	− ·07
8525	9·3	Z	27·0	2	+ ·008	− ·01
8526	6·6	G	19·4	5	·000	− ·04
		8o	19·0	3	·000	− ·02
					·000	− ·03
8528	9·5	Z	24·5	1	− ·006	− ·16
8530	8·9	Z	25·8	1	− ·003	− ·42
8532	7·8	t	61·0	3	− ·008	− ·06
		G	20·3	6	+ ·001	− ·03
		8o	23·0	3	− ·008	·00
					− ·005	− ·04
8533	9·5	Z	20·9	1	− ·002	− ·11
8535	8·6	Z	26·5	2	− ·001	+ ·02
8536	6·5	G	24·1	5	+ ·001	− ·12
		8o	21·0	3	+ ·010	− ·08
					+ ·004	− ·10
8538	8·5	Z	24·1	3	−0·006	0·00
8539	8·0	G	22·7	4	− ·008	− ·06
		8o	19·5	4	− ·010	− ·05
					− ·009	− ·05
8540	8·3	Z	25·9	1	− ·005	− ·03
8541	9·1	Z	24·0	1	+ ·005	+ ·01
8542	6·0	t	60·8	3	− ·004	− ·01
		4o	59·3	1	− ·005	...
		5o	47·8:48·7	2	− ·002	+ ·02
		G	25·1:25·3	4:5	− ·008	− ·06
		Ms	19·0	5	− ·008	− ·05
		8o	22·9	3	+ ·005	+ ·02
					− ·003	·00
8543	9·8	Z	24·2	1	− ·008	+ ·01
8544	5·8	t	61·0	3	− ·013	+ ·01
		5o	48·1:48·7	2	− ·003	+ ·01
		G	23·2	5	·000	·00
		8o	22·7	3	− ·002	+ ·02
					− ·006	+ ·01
8546	7·0	t	59·7:58·2	6:3	− ·001	− ·06
		5o	45·2:45·9	2	+ ·007	·00
		G	20·4	4	·000	− ·05
		8o	19·2	3	− ·002	+ ·01
		9o	1·2	3	− ·033	− ·16
					+ ·001	− ·03
8547	9·4	Z	25·8	1	+ ·009	− ·02
8548	7·5	5o	46·0:47·0	1:2	+ ·008	− ·04
		G	23·0	4	+ ·001	− ·10
		8o	19·2	3	+ ·001	− ·01
					+ ·003	− ·04
8549	8·5	G	18·8	3	+ ·003	− ·05
		Z	25·5	3	− ·001	+ ·02
					+ ·002	− ·03
8550	8·5	Z	24·2	1	+ ·002	− ·03
8551	8·5	Z	24·5:24·6	2	·000	− ·03
		Ms	29·1	10	·000	− ·04
					·000	− ·04
8554	7·9	G	19·9	2	+ ·002	·00
		Z	25·4	4	+ ·001	+ ·01
					+ ·001	·00
8558	9·3	Z	24·6	1	+ ·002	+ ·06
8560	9·5	Z	24·4	2	·000	− ·09

CAPE CATALOGUE, 1900.—APPENDIX II.

MEAN DECLINATION 1900·0

OF

TIME AND AZIMUTH STARS

FROM

OBSERVATIONS

AT THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE.

1896–1899.

No.	Star's Name.		Mag.	Approx. R.A.	Mean Date.	No. of Obs.	Mean Dec. 1900·0.	Corrected for μ.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. in Newcomb.
				h m s	1800+		° ′ ″	″	″	″	″	
1	88 Pegasi	γ	2·9	0 8 5	97·58	12	+ 14 37 39·45	39·43	+ 20·034	− 0·02	− 0·010	10
2	Octantis	o	7·2	0 12 29	97·67	30	− 88 55 8·65	8·64	+ 20·017	0·00	+ 0·006	13
3	8 Ceti	ι	3·8	0 14 20	97·38	13	− 9 22 41·54	41·62	+ 20·008	− 0·04	− 0·030	15
4	12 Ceti		6·2	0 24 56	96·90	10	− 4 30 35·55	35·55	+ 19·928	− 0·06	0·000	23
5	16 Ceti		2·2	0 38 34	97·18	17	− 18 32 8·10	7·98	+ 19·764	− 0·08	+ 0·042	39
6	63 Piscium	δ	4·6	0 43 30	97·17	12	+ 7 2 26·68	26·55	+ 19·687	− 0·09	− 0·044	49
7	71 Piscium	ϵ	4·5	0 57 45	96·92	12	+ 7 21 6·14	6·22	+ 19·414	− 0·12	+ 0·026	61
8	45 Ceti	θ	3·8	1 19 1	97·75	20	− 8 41 57·52	58·00	+ 18·867	− 0·16	− 0·215	85
9*	99 Piscium	η	3·7	1 26 8	98·33	6	+ 14 49 49·17	49·16	+ 18·648	− 0·18	− 0·003	94
10	106 Piscium	ν	4·7	1 36 14	97·59	27	+ 4 58 53·52	53·53	+ 18·306	− 0·19	+ 0·003	104
11	52 Ceti	τ	3·7	1 39 25	97·53	17	− 16 27 53·00	50·88	+ 18·190	− 0·17	+ 0·858	107
12	110 Piscium	o	4·5	1 40 7	97·44	9	+ 8 39 15·65	15·76	+ 18·165	− 0·20	+ 0·045	108
13	Octantis 4 G		5·6	1 43 7	97·62	37	− 85 16 29·22	29·15	+ 18·051	+ 0·24	+ 0·028	112
14	55 Ceti	ζ	3·9	1 46 31	97·75	12	− 10 49 44·79	44·85	+ 17·920	− 0·20	− 0·027	116
15	111 Piscium	ξ	4·8	1 48 23	97·23	13	+ 2 41 38·20	38·26	+ 17·847	− 0·21	+ 0·021	120
16	67 Ceti		5·7	2 12 0	97·00	11	− 6 52 58·40	58·73	+ 16·813	− 0·25	− 0·110	142
17*	68 Ceti	o	Var.	2 14 18	97·00	10	− 3 25 53·56	54·25	+ 16·703	− 0·25	− 0·229	145
18	73 Ceti	ξ^2	4·3	2 22 50	97·25	8	+ 8 0 42·58	42·56	+ 16·278	− 0·28	− 0·007	153
19	82 Ceti	δ	4·0	2 34 21	97·00	4	− 0 6 9·90	9·89	+ 15·669	− 0·29	+ 0·004	165
20	Octantis 9 B		7·8	2 35 30	97·50	20	− 86 9 41·92	41·91	+ 15·607	+ 0·86	+ 0·005	166
21*	86 Ceti *seq.*	γ	3·6	2 38 7	96·67	3	+ 2 48 52·36	51·86	+ 15·462	− 0·29	− 0·151	173
22	89 Ceti	π	4·3	2 39 22	97·50	2	− 14 16 56·22	56·25	+ 15·393	− 0·27	− 0·012	174
23*	87 Ceti	μ	4·4	2 39 32	96·00	4	+ 9 41 31·14	31·04	+ 15·383	− 0·31	− 0·025	175
24	3 Eridani	η	4·1	2 51 33	97·33	6	− 9 17 45·32	45·89	+ 14·689	− 0·30	− 0·213	183
25	92 Ceti	α	2·8	2 57 3	98·29	7	+ 3 41 51·04	50·91	+ 14·357	− 0·32	− 0·078	189
26	Octantis 10 B		8·4	3 3 53	97·71	24	− 88 34 20·78	20·84	+ 13·933	+ 3·71	− 0·026	198
27	1 Tauri	o	3·8	3 19 26	97·75	4	+ 8 40 37·37	37·20	+ 12·924	− 0·36	− 0·074	213
28	2 Tauri	ξ	3·8	3 21 45	96·50	8	+ 9 23 2·82	2·66	+ 12·768	− 0 37	− 0·046	215
29	5 Tauri	f	4·3	3 25 21	97·47	19	+ 12 35 38·34	38·35	+ 12·524	− 0·38	+ 0·002	219
30	18 Eridani	ϵ	3·8	3 28 13	98·07	15	− 9 47 48·26	48·21	+ 12·327	− 0·32	+ 0·025	221
31	23 Eridani		3·7	3 38 27	97·67	6	− 10 6 8·41	6·71	+ 11·609	− 0·35	+ 0·731	235
32	34 Eridani	γ	3·3	3 53 22	98·10	10	− 13 47 34·15	34·36	+ 10·522	− 0·35	− 0·110	251
33*	35 Tauri	λ	3·5	3 55 8	97·92	13	+ 12 12 28·45	28·43	+ 10·389	− 0 42	− 0·011	252
34	38 Tauri	ν	4·0	3 57 50	97·63	8	+ 5 42 42·65	42·64	+ 10·187	− 0·40	− 0·005	255
35	38 Eridani	o^1	4·1	4 6 59	97·25	8	− 7 5 54·57	54·33	+ 9·490	− 0·38	+ 0·086	265
36	54 Tauri	γ	3·9	4 14 6	97·22	18	+ 15 23 10·58	10·31	+ 8·937	− 0·45	− 0·026	274
37*	61 Tauri	δ	3·9	4 17 10	97·73	11	+ 17 18 28·68	28·61	+ 8·696	− 0·46	− 0·030	277
38	74 Tauri	ϵ	3·7	4 22 47	97·00	3	+ 18 57 30·58	30·48	+ 8·251	− 0·47	− 0·034	281
39	87 Tauri	α	1·1	4 30 11	97·43	7	+ 16 18 29·62	29·13	+ 7·657	− 0·47	− 0·189	288
40	48 Eridani	ν	4·1	4 31 19	97·27	11	− 3 33 25·11	25·11	+ 7·565	− 0·41	0·000	289
41	53 Eridani		4·0	4 33 36	97·67	6	− 14 29 56·93	57·29	+ 7·380	− 0·37	− 0·154	292
42	Mensæ 12 G		6·8	4 34 29	97·55	49	− 83 6 55·76	55·72	+ 7·308	+ 0 98	+ 0·017	293
43	57 Eridani	μ	4·1	4 40 30	98·13	15	− 3 26 16·17	16·19	+ 6·815	− 0·41	− 0·009	299
44	8 Orionis	π^5	3·9	4 49 3	97·40	10	+ 2 16 36·88	36·89	+ 6·108	− 0·44	+ 0·005	307
45	102 Tauri	ι	4·7	4 57 7	97·67	15	+ 21 26 49·72	49·60	+ 5·432	− 0·51	− 0·049	316

9. $3^m·7$, 11^m 1″·0 15°. Fainter star not seen.
17. *Mira* Ceti
21. Suspected binary; $3^m·6$, $7^m·4$.
23. B.A.C. assigns to Aries.
33. Limits of magnitude, 3 4 and 4·2 : period 3^d 22^h $52^m·2$.
37. δ^1 in B.A.C.

No.	Star's Name.		Mag.	Approx. R.A.	Mean Date.	No. of Obs.	Mean Dec. 1900·0.	Corrected for μ.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. in Newcomb.
				h m s	1800 +		° ′ ″	″	″	″	″	
46	67 Eridani	β	2·9	5 2 56	98·24	17	− 5 12 56·52	56·65	+ 4·940	− 0·42	− 0·074	322
47	19 Orionis	β	0·3	5 9 44	98·00	17	− 8 19 1·82	1·82	+ 4·362	− 0·41	0·000	330
48	24 Orionis	γ	1·7	5 19 46	98·00	4	+ 6 15 33·13	33·10	+ 3·501	− 0·46	− 0·017	342
49	34 Orionis	δ	2·5	5 26 54	97·72	18	− 0 22 23·51	23·51	+ 2·885	− 0·44	− 0·002	350
50	11 Leporis	α	2·7	5 28 19	97·50	14	− 17 53 38·28	38·28	+ 2·762	− 0·38	0·000	354
51	44 Orionis	ι	3·0	5 30 32	97·58	19	− 5 58 31·72	31·72	+ 2·570	− 0·43	− 0·002	359
52	46 Orionis	ϵ	1·7	5 31 8	97·33	3	− 1 15 56·70	56·70	+ 2·518	− 0·44	+ 0·001	361
53	14 Leporis	ζ	3·6	5 42 25	97·25	4	− 14 51 32·35	32·35	+ 1·536	− 0·40	− 0·001	372
54	53 Orionis	κ	2·2	5 43 1	98·00	12	− 9 42 18·52	18·53	+ 1·484	− 0·41	− 0·003	373
55	Mensæ 31 G		6·2	5 49 34	97·96	25	− 84 50 6·65	6·47	+ 0·913	+ 1·70	+ 0·086	381
56*	58 Orionis	α	Var.	5 49 45	98·00	2	+ 7 23 17·79	17·81	+ 0·896	− 0·47	+ 0·009	382
57	67 Orionis	ν	4·5	6 1 52	97·63	27	+ 14 46 49·67	49·61	− 0·163	− 0·50	− 0·025	396
58	Octantis 12 B		6·8	6 6 9	97·68	28	− 85 55 52·72	52·71	− 0·539	+ 2·29	+ 0·004	400
59	2 Canis Majoris	β	2·0	6 18 18	97·80	5	− 17 54 22·41	22·40	− 1·599	− 0·38	+ 0·004	414
60	8 Monoceerotis		4·4	6 18 28	97·48	23	+ 4 38 37·30	37·32	− 1·614	− 0·46	+ 0·009	415
61	10 Monocerotis		5·0	6 23 1	96·80	25	− 4 42 1·27	1·25	− 2·010	− 0·43	+ 0·006	418
62	24 Geminorum	γ	1·9	6 31 56	98·18	11	+ 16 29 4·72	4·63	− 2·784	− 0·50	− 0·048	427
63	31 Geminorum	ξ	3·4	6 39 41	97·58	12	+ 13 0 13·08	12·61	− 3·453	− 0·48	− 0·193	433
64	18 Monoceerotis		4·8	6 42 39	97·90	19	+ 2 31 17·97	17·94	− 3·709	− 0·45	− 0·016	435
65	14 Canis Majoris	θ	4·2	6 49 33	97·68	19	− 11 54 47·73	47·75	− 4·300	− 0·39	− 0·008	446
66	23 Canis Majoris	γ	4·1	6 59 14	97·35	17	− 15 29 7·65	7·68	− 5·124	− 0·38	− 0·010	456
67	54 Geminorum	λ	3·6	7 12 21	97·58	19	+ 16 43 15·08	14·97	− 6·224	− 0·48	− 0·045	469
68	3 Canis Minoris		3·1	7 21 44	96·91	11	+ 8 29 27·41	27·27	− 6·998	− 0·44	− 0·047	479
69	Octantis 7 G		6·3	7 22 1	97·44	38	− 86 52 11·55	11·54	− 7·022	+ 2·71	+ 0·005	480
70*	10 Canis Minoris	α	0·5	7 34 4	...	25	+ 5 28 *	*	− 7·999	− 0·41	− 1·038	492
71	Octantis	A	7·8	7 53 2	97·82	29	− 88 34 25·05	25·03	− 9·491	+ 5·68	+ 0·008	512
72*	Geminorum	χ	5·1	7 57 23	98·08	13	+ 28 4 29·19	29·09	− 9·824	− 0·46	− 0·053	517
73	20 Puppis		5·1	8 8 44	97·28	28	− 15 29 12·67	12·67	− 10·678	− 0·34	+ 0·001	528
74	17 Cancri	β	3·7	8 11 6	97·24	29	+ 9 29 38·08	37·94	− 10·852	− 0·39	− 0·052	529
75*	30 Monoceerotis		3·9	8 20 40	97·75	16	− 3 34 48·29	48·34	− 11·546	− 0·35	− 0·020	536
76	47 Cancri	δ	4·2	8 39 0	97·56	25	+ 18 31 19 57	18·98	− 12·819	− 0·38	− 0·240	556
77*	11 Hydræ AB	ϵ	3·5	8 41 29	96·60	10	+ 6 47 8·42	8·25	− 12·985	− 0·35	− 0·049	559
78	16 Hydræ	ζ	3·3	8 50 7	97·79	14	+ 6 19 34·06	34·08	− 13·550	− 0·34	+ 0·007	567
79	22 Hydræ	θ	3·8	9 9 10	97·41	29	+ 2 44 11·06	10·25	− 14·730	− 0·30	− 0·312	589
80*	Octantis	ζ	5·5	9 11 14	97·75	60	− 85 15 47·28	47·19	− 14·853	+ 0·77	+ 0·041	590
81	83 Cancri		6·6	9 13 24	96·91	22	+ 18 8 45·99	45·57	− 14·980	− 0·32	− 0·137	593
82	30 Hydræ	α	2·2	9 22 40	97·52	29	− 8 13 30·58	30·50	− 15·506	− 0·27	+ 0·033	599
83	14 Leonis	o	3·8	9 35 49	96·83	18	+ 10 20 50·43	50·32	− 16·209	− 0·27	− 0·033	619
84	6 Sextantis		5·9	9 46 12	97·25	8	− 3 46 29·04	29·12	− 16·726	− 0·24	− 0·028	629
85	29 Leonis	π	4·8	9 54 56	97·19	16	+ 8 31 26·98	26·90	− 17·135	− 0·23	− 0·027	638
86	30 Leonis	η	3 6	10 1 53	97·54	24	+ 17 15 1·26	1·25	− 17·443	− 0·23	− 0·004	641
87	32 Leonis	α	1·3	10 3 3	97·63	24	+ 12 27 21·46	21·46	− 17·493	− 0·22	− 0·002	642
88	41 Hydræ	λ	3·9	10 5 43	97·24	29	− 11 51 34·91	35·15	− 17·606	− 0·20	− 0·088	644
89	36 Leonis	ζ	3·8	10 11 8	...	...	...	...	...	...	...	...
90	42 Hydræ	μ	4·1	10 21 15	98·09	11	− 16 19 32·18	32·34	− 18·215	− 0·17	− 0·079	661

56. Limits of magnitude, 1 and 1·4. Period irregular.
70. The separate observations are given on page 397.
72. 6 Cancri in B.A.C.
75. *Auwers' Bradley* assigns to Hydra.
77. Probably ternary. 3·8, 5·8, 7·4. A B observed as one mass.
80. $5^m·5$, $9^m·5$ 1″·7 113°. Fainter star not seen.

No.	Star's Name.		Mag.	Approx. R.A.	Mean Date.	No. of Obs.	Mean Dec. 1900·0.	Corrected for μ.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. in Newcomb.
				h m s	18co +		° ′ ″	″	″	″	″	
91	47 Leonis	ρ	3·8	10 27 33	96·60	15	+ 9 49 16·48	16·47	− 18·438	− 0·17	− 0·003	669
92	Octantis 10 G		6·9	10 36 55	97·57	37	− 85 34 20·69	20·75	− 18·744	+ 0·17	− 0·023	680
93	53 Leonis	l	5·3	10 44 0	97·10	30	+ 11 4 28·03	27·93	− 18·955	− 0·14	− 0·033	689
94	63 Leonis	χ	4·7	10 59 52	97·25	12	+ 7 52 35·59	35·48	− 19·361	− 0·11	− 0·041	703
95	Octantis	η	6·2	11 0 1	97·65	42	− 84 3 21·26	21·27	− 19·364	+ 0·02	− 0·005	704
96	70 Leonis	θ	3·4	11 9 0	97·54	28	+ 15 58 34·46	34·25	− 19·552	− 0·09	− 0·085	713
97	12 Crateris	δ	3 8	11 14 20	98·04	24	− 14 14 14·88	14·50	− 19·650	− 0·08	+ 0·195	719
98	77 Leonis	σ	4·1	11 15 59	97·73	15	+ 6 34 38·13	38·10	− 19·678	− 0·08	− 0·013	720
99	91 Leonis	υ	4·5	11 31 50	97·57	21	− 0 16 18·07	17·97	− 19·896	− 0·05	+ 0·039	734
100	94 Leonis	β	2·2	11 43 58	97·09	23	+ 15 7 51·71	51·38	− 19·998	− 0·02	− 0·118	744
101	5 Virginis	β	3·8	11 45 29	97·07	14	+ 2 19 42·44	41·63	− 20·007	− 0·02	− 0·275	745
102	9 Virginis	o	4·2	12 0 7	98·21	14	+ 9 17 18·27	18·33	− 20·047	+ 0·01	+ 0·032	758
103	15 Virginis	η	4 0	12 14 47	98·09	22	− 0 6 39·97	40·02	− 20·005	+ 0·04	− 0·027	773
104	7 Corvi *seq.*	δ	3·1	12 24 41	97·53	17	− 15 57 31·34	31·71	− 19·931	+ 0·06	− 0·149	786
105	24 Comæ *seq.*		5·0	12 30 7	97·62	13	+ 18 55 39·08	39·11	− 19·874	+ 0·07	+ 0·013	795
106	Octantis	ι	5·4	12 44 27	97·36	36	− 84 34 48·32	48·26	− 19·671	+ 0·17	+ 0·024	810
107	43 Virginis	δ	3·7	12 50 34	97·63	19	+ 3 56 26·78	26·64	− 19·561	+ 0·10	− 0·060	817
108	47 Virginis	ϵ	3·0	12 57 12	97·26	19	+ 11 29 47·55	47·59	− 19·426	+ 0·12	+ 0·015	821
109	51 Virginis	θ	4·4	13 4 46	97·25	20	− 5 0 18·70	18·81	− 19·252	+ 0·13	− 0·040	827
110	67 Virginis	α	1·2	13 19 55	97·87	15	− 10 38 21·96	22·03	− 18·840	+ 0·17	− 0·032	843
111	Octantis	κ	5·7	13 24 42	97·71	44	− 85 16 24·44	24·49	− 18·693	+ 0·48	− 0·023	847
112	79 Virginis	ζ	3·4	13 29 36	97·30	30	− 0 5 5·20	5·09	− 18·534	+ 0·18	+ 0·040	852
113	4 Boötis	τ	4·5	13 42 31	97·00	3	+ 17 57 18·78	18·86	− 18·075	+ 0·19	+ 0·027	863
114	89 Virginis		5·2	13 44 26	98·00	2	− 17 38 9·97	10·05	− 18 021	+ 0·22	− 0·040	867
115	8 Boötis	η	2·8	13 49 55	97·50	16	+ 18 53 56·97	56·06	− 17·785	+ 0·20	− 0·363	872
116	93 Virginis	τ	4·3	13 56 33	97·75	12	+ 2 1 41·70	41·63	− 17·510	+ 0·22	− 0·029	879
117	98 Virginis	κ	4·3	14 7 34	97·38	16	− 9 48 30·25	30·60	− 17·021	+ 0·25	+ 0·132	889
118	99 Virginis	ι	4·2	14 10 46	97·83	23	− 5 31 23·50	24·42	− 16·871	+ 0·25	− 0·427	891
119*	29 Boötis *pr.*	π	4·6	14 36 2	97·50	6	+ 16 50 49·06	49·06	− 15·578	+ 0·27	− 0·001	922
120	107 Virginis	μ	3·9	14 37 47	96·70	10	− 5 13 23·93	24·41	− 15·480	+ 0·30	− 0·322	926
121*	Octantis 20 G		6·5	14 39 0	97·90	21	− 87 44 30·28	30·42	− 15·413	+ 2·31	− 0·065	927
122	109 Virginis		3 7	14 41 12	97·08	13	+ 2 18 51·88	51·98	− 15·290	+ 0·29	− 0·035	932
123	9 Libræ	α	2·9	14 45 21	97·48	21	− 15 37 34·83	35·02	− 15·052	+ 0·32	− 0·076	936
124	Boötis 321 B		5·7	14 51 30	97·00	10	+ 14 51 1·01	0·98	− 14·691	+ 0·29	− 0·011	946
125	27 Libræ	β	2·8	15 11 37	97·26	19	− 9 0 50·66	50·73	− 13·438	+ 0·35	− 0·024	967
126	Octantis	ρ	5·7	15 20 11	97·59	29	− 84 7 54·69	54·50	− 12·873	+ 1·46	+ 0·079	973
127	38 Libræ	γ	4·1	15 29 56	97·70	20	− 14 27 22·04	22·03	− 12·209	+ 0·39	+ 0·006	986
128	24 Serpentis	α	2·8	15 39 21	97·29	14	+ 6 44 23·99	24·10	− 11·546	+ 0·36	+ 0·042	997
129	32 Serpentis	μ	3·6	15 44 24	97·43	14	− 3 7 27·97	28·04	− 11·181	+ 0·38	− 0·028	1000
130	37 Serpentis	ϵ	3·8	15 45 50	97·60	10	+ 4 46 42·53	42·70	− 11·077	+ 0·37	+ 0·070	1003
131*	8 Scorpii *pr.*	β	2·7	15 59 37	97·33	12	− 19 31 54·47	54·54	− 10·052	+ 0·44	− 0·028	1017
132	1 Ophiuchi	δ	3·0	16 9 6	97·67	12	− 3 26 12·76	13·10	− 9·326	+ 0·41	− 0·144	1030
133	2 Ophiuchi	ϵ	3·3	16 13 2	97·73	22	− 4 26 55·92	55·84	− 9·021	+ 0·42	+ 0·037	1033
134	20 Herculis	γ	3·8	16 17 31	98·07	14	+ 19 23 16·09	16·16	− 8·669	+ 0·35	+ 0·037	1039
135	Octantis 26 G		6·0	16 23 34	97·71	38	− 86 10 42·70	42·67	− 8·188	+ 2·84	+ 0·012	1052

119. Binary.

121. Maclear's = Octantis.

131. $2^m·5$, $9^m·6$. Faint star not seen.

No.	Star's Name.	Mag.	Approx. R.A.	Mean Date.	No. of Obs.	Mean Dec. 1900·0.	Corrected for μ.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. in Newcomb.
			h m s	1800 +		° ′ ″	″	″	″	″	
136*	Ophiuchi (mass) λ	3·8	16 25 52	96·73	11	+ 2 12 9·57	9·31	− 8·004	+ 0·41	− 0·079	1053
137	13 Ophiuchi ζ	2·7	16 31 39	97·78	27	− 10 21 53·09	53·04	− 7·538	+ 0·45	+ 0·022	1063
138	49 Herculis	6·4	16 47 32	97·17	6	+ 15 8 30·86	30·82	− 6·234	+ 0·38	− 0·014	1078
139	27 Ophiuchi κ	3·4	16 52 56	97·29	7	+ 9 31 49·12	49·09	− 5·783	+ 0·40	− 0·011	1084
140*	35 Ophiuchi (mass) η	2·6	17 4 39	97·27	15	− 15 36 4·90	4·66	− 4·795	+ 0·49	+ 0·091	1092
141*	64 Herculis *pr.* α	Var.	17 10 5	97·33	12	+ 14 30 14·91	14·99	− 4·331	+ 0·39	+ 0·030	1096
142	42 Ophiuchi θ	3·4	17 15 52	97·46	13	− 24 53 59·06	59·15	− 3·837	+ 0·53	− 0·036	1105
143	55 Ophiuchi α	2·1	17 30 18	97·36	14	+ 12 37 57·97	57·35	− 2·591	+ 0·40	− 0·235	1123
144	55 Serpentis ξ	3·7	17 31 52	97·80	20	− 15 20 8·41	8·54	− 2·455	+ 0·50	− 0·060	1125
145	60 Ophiuchi β	2·9	17 38 32	97·52	33	+ 4 36 31·66	32·05	− 1·875	+ 0·43	+ 0·158	1134
146	64 Ophiuchi ν	3·7	17 53 31	97·67	9	− 9 45 40·88	41·16	− 0·567	+ 0·48	− 0·120	1148
147	Octantis χ	5·2	17 56 4	97·79	33	− 87 39 51·53	51·80	− 0·344	+ 5·22	− 0·124	1153
148	72 Ophiuchi	3·7	18 2 37	97·33	27	+ 9 32 57·91	58·14	+ 0·228	+ 0·41	+ 0·087	1160
149	58 Serpentis η	3·4	18 16 8	96·86	14	− 2 55 28·26	30·43	+ 1·410	+ 0·44	− 0·691	1174
150	110 Herculis	4·3	18 41 21	99·00	4	+ 20 27 1·95	1·61	+ 3·598	+ 0·37	− 0·344	1202
151	63 Serpentis θ	4·3	18 51 15	97·17	24	+ 4 4 23·67	23·75	+ 4·446	+ 0·42	+ 0·028	1215
152	Octantis σ	5·5	18 59 43	97·63	38	− 89 15 16·68	16·69	+ 5·165	+ 14·41	− 0·004	1224
153	16 Aquilæ λ	3·5	19 0 57	96·78	18	− 5 1 57·45	57·72	+ 5·268	+ 0·45	− 0·083	1227
154	25 Aquilæ ω	5·1	19 13 7	97·00	18	+ 11 24 53·76	53·80	+ 6·288	+ 0·39	+ 0·014	1242
155	30 Aquilæ δ	3·4	19 20 27	96·40	5	+ 2 54 54·50	54·79	+ 6·894	+ 0·41	+ 0·081	1251
156	Octantis 44 G	6·3	19 37 36	97·61	31	− 81 36 0·74	0·72	+ 8·282	+ 1·50	+ 0·009	1275
157	50 Aquilæ γ	2·8	19 41 30	97·71	24	+ 10 22 10·19	10·18	+ 8·591	+ 0·37	− 0·003	1282
158	53 Aquilæ α	0·9	19 45 54	97·63	24	+ 8 36 13·79	14·69	+ 8·937	+ 0·38	+ 0·378	1286
159	60 Aquilæ β	3·9	19 50 24	97·92	26	+ 6 9 25·26	24·26	+ 9·288	+ 0·38	− 0·481	1292
160	65 Aquilæ θ	3·4	20 6 9	98 00	21	− 1 7 5 61	5·60	+ 10·485	+ 0·38	+ 0·006	1308
161	5 Capricorni α^1	4·6	20 12 6	98·00	8	− 12 49 2·51	2·50	+ 10·926	+ 0·40	+ 0·005	1316
162	6 Capricorni α^2	3·8	20 12 30	97·50	8	− 12 51 17·60	17·58	+ 10·956	+ 0·40	+ 0·008	1320
163	9 Capricorni β	3·2	20 15 24	97·63	19	− 15 5 50·04	50·02	+ 11·166	+ 0·40	+ 0·007	1321
164	Octantis 48 G	7·1	20 18 47	97·63	27	− 84 44 48·91	48·83	+ 11·412	+ 1·80	+ 0·033	1326
165*	11 Capricorni ρ	4·9	20 23 9	97·15	13	− 18 8 39·53	39·59	+ 11·724	+ 0·40	− 0 020	1329
165	2 Delphini ε	4·0	20 28 26	97·23	13	+ 10 57 47·84	47·77	+ 12·095	+ 0·33	− 0 025	1337
167*	6 Delphini (mass) β	3·7	20 32 52	97·36	14	+ 14 14 49·63	49·54	+ 12·401	+ 0·32	− 0·035	1344
168	15 Capricorni υ	5·4	20 34 21	98·71	7	− 18 29 27·10	27·11	+ 12·504	+ 0·38	− 0·007	1348
169	9 Delphini α	3·9	20 35 0	98·17	6	+ 15 33 33·15	33·18	+ 12·547	+ 0·31	+ 0·017	1349
170	2 Aquarii ε	3·9	20 42 16	97·80	10	− 9 51 43·27	43·34	+ 13·037	+ 0·35	− 0·030	1358
171	13 Aquarii ν	4·5	21 4 9	97·18	28	− 11 46 36·06	36·08	+ 14·429	+ 0·33	− 0·006	1384
172	8 Equulei α	4·1	21 10 50	97·67	3	+ 4 50 2·99	2·79	+ 14·829	+ 0·29	− 0·085	1392
173	22 Aquarii β	3·3	21 26 18	97·00	14	− 6 0 40·75	40·78	+ 15·705	+ 0·28	− 0·011	1407
174	40 Capricorni γ	3·8	21 34 35	97·36	11	− 17 6 50·74	50·79	+ 16·143	+ 0·28	− 0·018	1417
175	Octantis B	6·6	21 37 38	97·37	22	− 89 19 3·20	3·28	+ 16·302	+ 5·79	− 0·030	1422
176	8 Pegasi ε	2·5	21 39 16	96·64	11	+ 9 24 59·15	59·15	+ 16·385	+ 0·24	0·000	1424
177	49 Capricorni δ	3·0	21 41 31	98·10	10	− 16 34 51·57	52·14	+ 16·497	+ 0 27	− 0·298	1428
178	34 Aquarii α	3·2	22 0 39	97·53	15	− 0 48 20·68	20·68	+ 17·389	+ 0·22	− 0·002	1440
179	33 Aquarii ι	4·3	22 1 2	97·40	5	− 14 21 17·14	17·30	+ 17·406	+ 0·23	− 0·062	1450
180	26 Pegasi θ	3·7	22 5 9	97·53	17	+ 5 42 20·46	20·55	+ 17·582	+ 0·21	+ 0·036	1456

136. Close binary; 4^m 2. $6^m·3$.
140. $3^m·1$, $3^m·6$ 0″·4 254°. 1899·4. Angle slowly diminishing.
141. Limits of magnitude 3·1 and 3·9: period irregular: *Comes* $6^m·1$ 4″·9 114°.
165. $5^m·1$, $7^m·6$ 2″·8 172°. No note of duplicity.
167. Very close binary; $3^m·9$, $5^m·4$.

No.	Star's Name.	Mag.	Approx. R.A.	Mean Date.	No. of Obs.	Mean Dec. 1900·0.	Corrected for μ.	Precession 1900·0.	Sec. Var. 1900·0.	Proper Motion.	No. in Newcomb.
			h m s	1800 +		° ′ ″	″	″	″	″	
181	43 Aquarii θ	4·3	22 11 33	98·00	4	− 8 16 52·57	52·61	+ 17·844	+ 0·20	− 0·019	1466
182*	Octantis υ	5·7	22 12 35	97·91	35	− 86 28 34·21	34·05	+ 17·885	+ 0·84	+ 0·075	1469
183	48 Aquarii γ	3·9	22 16 29	97·62	13	− 1 53 28·92	28·88	+ 18·037	+ 0·19	+ 0·015	1473
184	62 Aquarii η	4·1	22 30 13	97·82	17	− 0 37 58·57	58·69	+ 18·528	+ 0·16	− 0·053	1490
185	42 Pegasi ζ	3·6	22 36 28	97·30	10	+ 10 18 33·17	33·13	+ 18·730	+ 0·15	− 0·014	1499
186	47 Pegasi λ	4·2	22 41 43	97·67	15	+ 23 2 21·68	21·66	+ 18·889	+ 0·13	− 0·009	1504
187	73 Aquarii λ	3·9	22 47 24	97·63	19	− 8 6 42·38	42·30	+ 19·049	+ 0·13	+ 0·035	1512
188	76 Aquarii δ	3·5	22 49 21	98·33	12	− 16 21 9·55	9·59	+ 19·102	+ 0·13	− 0·026	1514
189	54 Pegasi α	2·6	22 59 47	96·00	2	+ 14 40 1·35	1·19	+ 19·359	+ 0·11	− 0·039	1525
190	6 Piscium γ	3·8	23 11 59	97·00	4	+ 2 44 8·32	8·38	+ 19·908	+ 0·09	+ 0·021	1540
191	Octantis τ	5·6	23 13 9	97·59	41	− 88 1 52·93	52·89	+ 19·630	+ 0·32	+ 0·015	1541
192	8 Piscium κ	5·0	23 21 48	97·37	27	+ 0 42 29·22	28·98	+ 19·769	+ 0·07	− 0·093	1552
193*	70 Pegasi	4·6	23 24 6	97·63	19	+ 12 12 31·83	31·91	+ 19·801	+ 0·06	+ 0·035	1555
194	17 Piscium ι	4·3	23 34 48	96·86	14	+ 5 5 4·40	3·03	+ 19·926	+ 0·04	− 0·435	1569
195	105 Aquarii ω^2	4·7	23 37 32	97·20	5	− 15 5 52·70	52·88	+ 19·951	+ 0·04	− 0·063	1574
196	81 Pegasi ϕ	5·2	23 47 24	97·54	13	+ 18 33 53·83	53·73	+ 20·017	+ 0·02	− 0·039	1583
197	28 Piscium ω	4·0	23 54 11	96·78	9	+ 6 18 34·67	34·32	+ 20·040	0·00	− 0·108	1592

182. Maclear's C Octantis.

193. q Pegasi in B.A.C.

MERIDIAN OBSERVATIONS OF α CANIS MINORIS.

Date.	Obs.	Dec. 1900·0.	Date.	Obs.	Dec. 1900·0.	Date.	Obs.	Dec. 1900·0.
		+ 5° 28′			+ 5° 28′			+ 5° 28′
1896.			1897.			1898.		
February 3	W	56″·74	January 29	A C	54″·75	February 16	A P	54″·33
12	C	57 ·24	February 8	A C	55 ·14	17	J P	53 ·12
13	P	55 ·87	16	A C	55 ·42	21	P	54 ·84
17	C	56 ·90	March 10	C	54 ·77	22	J P	52 ·90
27	W	56 ·54	15	J P	55 ·00	25	A P	54 ·06
April 1	C	56 ·86	18	W	54 ·46	March 1	C	53 ·37
			19	C	54 ·23	2	P	55 ·14
1897.			20	P	55 ·55	1899.		
January 25	C	55 ·16				March 11	P	54 ·02
28	A P	55 ·60				17	P	54 ·90

CAPE CATALOGUE, 1900.—APPENDIX III.

CATALOGUE

OF

MISCELLANEOUS STARS

FROM

OBSERVATIONS

AT THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

1896–1899.

CAPE CATALOGUE, 1900.—APPENDIX III.

CATALOGUE

OF

MISCELLANEOUS STARS

FROM

OBSERVATIONS

BY THE

ROYAL OBSERVATORY, CAPE OF GOOD HOPE,

1896 1899.

No.	Mag.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Mean Date.	No. of Obs.	Remarks.	C.P.D.
		h m s	s	s	° ′ ″	″	″	1800+			°
1	9·0†	0 6 44·33	+ 3·0578	− 0·009	− 20 15 33·4	+ 20·038	− 0·02	96·87	5	C. a.	20·4
2	9·0*	0 11 6·71	+ 3·0215	− 0·020	− 38 7 3·1	+ 20·023	− 0·03	96·89	4	G.	38·14
3*	6·7*	0 40 10·39	+ 2·6139	− 0·036	− 63 2 42·7	+ 19·739	− 0·07	96·89	4	G.Z.	63·72
4	8·5*	1 20 46·73	+ 2·3379	− 0·017	− 57 51 42·6	+ 18·814	− 0·13	98·89	3	G Z.	57·305
5	5·3	2 46 48·17	+ 1·3105	+ 0·016	− 63 13 17·2	+ 14·967	− 0·13	96·93	5	ρ Horologii.	63·188
6*	Var.	2 50 33·12	+ 1·9820	+ 0·001	− 50 17 51·3	+ 14·748	− 0·20	99·60	2	Horologii R.	...
7	9·5*	3 6 1·08	+ 1·9422	+ 0·003	− 49 22 27·5	+ 13·798	− 0·21	96·97	2	Z.	49·387
8	9·1†	4 2 11·99	+ 2·6235	+ 0·004	− 21 5 21·6	+ 9·856	− 0·34	96·97	4	a.	21·472
9	9·2†	5 3 54·97	+ 2·5731	+ 0·003	− 21 3 18·6	+ 4·857	− 0·37	97·02	3	a.	21·755
10	6·5*	6 37 58·55	+ 1·9562	+ 0·001	− 40 15 16·2	− 3·307	− 0·28	96·19	3	G.Z.S. t. π.	40·1111
11	6·6*	6 40 3·04	+ 2·0030	+ 0·001	− 39 5 31·4	− 3·485	− 0·29	96·20 96·19	2 3	G.Z.S. t. π.	39·1056
12	9·6†	6 40 53·50	+ 2·0815	+ 0·001	− 36 59 24·0	− 3·557	− 0·30	97·16	2	Z.	36·1045
13	4·0	6 49 58·99	+ 2·4898	+ 0·001	− 24 3 32·1	− 4·337	− 0·35	96·20	1 3	16 o^1 Canis Majoris. μ_α −0ˢ·0031, μ_δ +0″·011.	24·1745
14	6·5	7 1 42·98	+ 0·9258	− 0·006	− 59 1 42·3	− 5·333	− 0·13	96·20	3	G.Z.S. e. t.	58·826
15	5·6	7 13 15 84	+ 2·1364	+ 0·001	− 36 24 49·4	− 6·300	− 0·29	96·20	3	G.Z.S. t. π.	36·1208
16	6·0*	7 19 27·31	+ 2 4141	+ 0·001	− 27 38 25·9	− 6·811	− 0·33	96·20	3	G.Z.S. a.	27·1993
17	8·7*	7 22 34·56	− 2·0305	− 0·100	− 76 13 43·0	− 7·067	+ 0·28	96·20	2 3	G.Z.S. g.	76·445
18	6·7*	7 28 4·42	+ 2·1828	+ 0·001	− 35 40 30·7	− 7·515	− 0·29	96·20	3	G.Z.S. g.	35·1292
19	10·0*	7 30 9·22	+ 1·8680	0·000	− 44 17 31·7	− 7·684	− 0·25	97·19	3	Z.	44·1660
20	4·3	7 34 8·26	+ 2·4973	+ 0·001	− 25 8 15·9	− 8·004	− 0·33	96·20	3	*m* Puppis.	25·2613
21	5·0	7 39 30·16	+ 2·4229	+ 0·001	− 28 10 23·3	− 8·432	− 0·32	96·20	2 3	1 Puppis. μ_α −0ˢ·0007, μ_δ +0″·058.	28·2361
22*	8·5‡	7 39 59·63	+ 2·1645	+ 0·001	− 36 50 59·4	− 8·472	− 0·28	97·20	2	G.Z.	36·1563
23	9·7	7 40 4·31	+ 2·1642	+ 0·001	− 36 51 52·1	− 8·477	− 0·28	97·27	2	G.	36·1566
24	6·1	7 45 31·22	+ 2·2342	+ 0·001	− 34 59 31·9	− 8·907	− 0·29	96·20	3	G.Z.S. t. π.	34·1717
25	6·7*	7 57 10·41	+ 1·0079	− 0·012	− 60 33 2·1	− 9·808	− 0·12	96·20	2 3	G.Z.S. g. t.	60·1006
26*	9·0*	7 57 59·33	+ 2·2816	+ 0·002	− 34 12 25·3	− 9·870	− 0·29	97·22	3	Z.	34·1906
27*	9·5*	8 1 54·98	+ 2·3162	+ 0·002	− 33 16 59·0	− 10·168	− 0·29	97·24	3	Z.	33·1950
28	7·1*	8 31 31·93	+ 2·1989	+ 0·002	− 39 37 34·4	− 12·310	− 0·25	97·21	3		39·2587
29	9·5*	8 34 13·09	+ 2·3972	+ 0·003	− 32 51 39·1	− 12·494	− 0·27	97·20	3	Z.	32·2363
30	9·5*	8 34 24·07	+ 2·4280	+ 0·002	− 31 40 12·2	− 12·507	− 0·27	97·23	3	Z.	31·2498
31*	8·8‡	8 43 44·08	−37·1284	−19·594	− 88 33 40·9	− 13·135	+ 4·09	99·73	3	g.	88·76
32	4·7	8 44 7·36	+ 1·5547	− 0·003	− 56 24 7·7	− 13·160	− 0·17	96·85	3	*f* Carinæ.	56·1865
33	6·9	8 49 38·42	+ 1·6650	− 0·002	− 54 57 50·3	− 13·521	− 0·17	96·86	3	G.S. g.	54·1890
34	9·7†	9 7 2·03	+ 2·7453	+ 0·002	− 19 39 11·0	− 14·604	− 0·27	96·91	3	a.	19·3999
35	6·7*	9 19 52·93	+ 2·1224	+ 0·006	− 47 51 29·2	− 15·350	− 0·19	96·26	3	G.Z.S. t. r.	47·3276
36	9·0*	9 20 44·05	+ 2·2351	+ 0·006	− 44 22 16·1	− 15·398	− 0·20	97·24	3	Z.	44·3753
37	9·5*	9 25 23·18	+ 2·0154	+ 0·005	− 51 41 48·7	− 15·655	− 0·18	96·62	3	Z.	51·2270
38*	8·9‡	9 26 26 89	−31·4717	−20·920	− 88 37 25·6	− 15·713	+ 2·86	99·75	3	g.	88·86
39	9·5	9 28 43·39	+ 2·5037	+ 0·006	− 34 45 22·8	− 15·836	− 0·22	97·26	3	Z.	34·3615
40	9·0*	9 35 11·48	+ 1·7583	+ 0·002	− 59 0 15·3	− 16·176	− 0·14	98·32	1	Z.	58·1596
41	7·0*	9 44 3·88	+ 2·1983	+ 0·009	− 49 28 44·1	− 16·623	− 0·17	96·32	2 3	G.Z.S.	49·2791
42	6·7*	9 52 40·86	+ 2·2064	+ 0·010	− 50 51 38·1	− 17·034	− 0·16	96·32	2 3	G.Z.S. t. r.	50·2889
43	6·3	9 58 49 10	+ 1·9074	+ 0·008	− 59 56 17·5	− 17·309	− 0·13	96·32	2 3	G.Z.S. e. t. r.	59·1695
44	9·0*	10 1 29·90	+ 2·4318	+ 0·011	− 44 6 54·8	− 17·426	− 0·17	96·34	5	Z.	43·4340
45	6·2*	10 5 9·42	+ 2·9830	0·000	− 7 55 0·7	− 17·582	− 0·20	96·33	3	17 Sextantis. μ_α −0ˢ·0017, μ_δ +0″·033.	...

3. $6^m·5$, $8^m·4$ 2″·4 69°. No note of duplicity.
6. Limits of magnitude 5·6–6·6 and 10·8–11·6; Period 403d.
22. Magnitude from Cape observations.
26. $9^m·4$, $10^m·4$ 2″ N f. Brighter star observed.
27. Triple; star B. observed.
31, 38. Observed only S.P.; magnitude from Gilliss.

No.	Mag.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Mean Date.	No. of Obs.	Remarks.	C.P.D.
		h m s	s	s	° ′ ″	″	″	1800+			°
46	6·2	10 8 43·40	+ 2·7608	+ 0·007	− 26 32 6·2	− 17·730	− 0·19	96·33	3	G.Z.S. c. t.	26·4216
47	6·3*	10 15 58·84	+ 1·8617	+ 0·009	− 64 10 28·0	− 18·017	− 0·11	96·33	3	G.Z.S. g. r.	64·1248
48	8·5*	10 20 20·76	+ 2·1351	+ 0·015	− 59 0 23·4	− 18·182	− 0·12	96·32	3	G.Z.S. t.	58·2163
49	9·5*	10 20 26·90	+ 2·3646	+ 0·016	− 51 31 27·1	− 18·185	− 0·14	96·37	3 5	Z.	51·3286
50	7·7*	10 20 53·31	+ 2·1144	+ 0·015	− 59 41 2·7	− 18·201	− 0·12	96·36	2 3	G.Z.S. t.	59·2101
51	5·2	10 24 24·07	+ 3·0512	− 0·002	− 2 13 37·8	− 18·328	− 0·17	96·32	3	{ 29 Sextantis. μ_α −0ˢ·0046, μ_δ −0″·018. }	...
52	6·9	10 27 40·31	+ 2·5564	+ 0·015	− 44 33 19·2	− 18·442	− 0·14	96·33	3	*s* Velorum *pr.*	44·4896
53	7·0*	10 39 59·17	+ 2·4996	+ 0·020	− 51 23 55·3	− 18·837	− 0·12	96·31	2 3	G.Z.S.	51·3528
54	6·0	10 43 33·02	+ 2·8077	+ 0·012	− 31 9 35·9	− 18·942	− 0·13	96·33	3	G.Z S. a.	31·3128
55	7·7*	11 2 58·46	+ 1·7912	+ 0·018	− 75 35 23·0	− 19·429	− 0·06	96·36	3	G.Z.S. g.	75·711
56	7·1*	11 15 26·43	+ 2·9362	+ 0·013	− 27 47 6·3	− 19·669	− 0·07	96·36	3	G.Z.S. a.	27·4317
57*	5·6	11 28 44·79	+ 2·9197	+ 0·022	− 40 2 5·7	− 19·861	− 0·05	96·36	3	G.Z.S. t. π.	39·5140
58	6·2*	11 33 8·29	+ 2·4746	+ 0·070	− 75 20 34·5	− 19·909	− 0·03	96·37	5	{ π Cham. μ_α −0ˢ·0387, μ_δ −0″·010. }	75·744
59	9·0*	11 47 10·90	+ 2·9796	+ 0·036	− 51 7 48·1	− 20·015	− 0·01	96·36	3	Z.	50·4576
60*	9·5‡	11 53 53·67	+ 3·0217	+ 0·043	− 54 48 1·4	− 20·040	0·00	98·33	2		54·4886
61	8·0*	12 0 3·58	+ 3·0725	+ 0·018	− 28 8 55·7	− 20·047	+ 0·01	96·39	5	G.Z. a.	28·4392
62	9·2†	12 6 4·38	+ 3·0848	+ 0·013	− 19 27 52·4	− 20·040	+ 0·02	96·39	5	a.	19·5065
63	8·0*	12 13 1·60	+ 3·1650	+ 0·041	− 50 41 21·3	− 20·014	+ 0·04	96·37	3	G.Z.S.	50·5060
64	6·3*	12 17 24·25	+ 3·2290	+ 0·054	− 57 7 15·8	− 19·989	+ 0·04	96·38	3	G.Z.S. c. t.	56·5202
65	5·9	12 18 8·88	+ 3·1200	+ 0·017	− 24 17 8·5	− 19·984	+ 0·04	96·38	3	{ 6 Corvi. μ_α −0ˢ·0027, μ_δ −0″·016. }	24·4833
66	7·0*	12 20 1·82	+ 3·1278	+ 0·018	− 25 26 1·5	− 19·970	+ 0·05	96·38	3	G.Z S. l.	25·4940
67	5·7	12 28 37·11	+ 3·0984	+ 0·008	− 8 54 1·6	− 19·891	+ 0·06	96·36	3	{ 21 q Virg. μ_α −0ˢ·0082, μ_δ +0″·008. }	...
68	4·7	12 34 27·70	+ 3·2369	+ 0·031	− 39 26 12·9	− 19·821	+ 0·08	96·37	3	*l* Centauri.	39·5655
69	7·2*	12 35 54·90	+ 3·1802	+ 0·020	− 27 21 33·4	− 19·801	+ 0·08	96·37	3	G.Z S. a. t.	27·4546
70	8·0*	12 38 22·63	+ 3·2410	+ 0·029	− 37 9 15·1	− 19·767	+ 0·09	96·37	5	G.Z.S. t.	37·5339
71	5·9	12 43 6·40	+ 3·1999	+ 0·020	− 27 3 0·2	− 19·693	+ 0·10	96·40	3	G.Z.S. c. t.	26·4799
72	8·3†	12 50 5·11	+ 3·1847	+ 0·017	− 21 12 25·9	− 19·570	+ 0·11	96·39	5	C.	21·5504
73	9·0*	12 51 9·95	+ 3·3057	+ 0·031	− 38 16 10·3	− 19·549	+ 0·12	96·42	3	Z.	38·5357
74	9·5*	12 52 42·65	+ 3·4190	+ 0·045	− 48 41 44·7	− 19·519	+ 0·12	96·38	5	Z.	48·5184
75	7·0*	12 56 13·58	+ 3·2188	+ 0·019	− 24 7 37·9	− 19·447	+ 0·12	96·37	3	G.Z.S. a. l.	23·5686
76	7·7†	13 8 37·48	+ 3·2302	+ 0·018	− 21 49 52·9	− 19·155	+ 0·15	96·37	5	G. a.	21·5544
77	8·5*	13 19 24·39	+ 3·5609	+ 0·046	− 47 6 42·4	− 18·856	+ 0·18	96·38	5	Z.	46·6332
78	6·9*	13 22 30·71	+ 3·3008	+ 0·022	− 25 53 0·0	− 18·761	+ 0·18	96·37	3	G.Z.S. t. l.	25·5181
79*	9·8‡	13 37 57·24	+ 4·0390	+ 0·084	− 60 11 6·4	− 18·244	+ 0·25	99·43	2		60·4924
80*	9·5‡	13 38 5·86	+ 3·8092	+ 0·060	− 53 1 40·0	− 18·238	+ 0·24	99·33	2		52·6708
81	6·9	13 44 21·99	+ 3·5552	+ 0·036	− 39 24 13·1	− 18·004	+ 0·24	96·42	3	G.S. t.	39·6091
82	8·0*	13 52 49·99	+ 3·4905	+ 0·029	− 33 30 19·0	− 17·666	+ 0·25	96·41	5	G.Z.S. t.	33·3546
83*	9·5‡	14 1 30·43	+ 4·8731	+ 0·156	− 69 25 51·1	− 17·295	+ 0·37	99·43	2	g.	69·2009
84	9·8†	14 16 5·68	+ 3·7709	+ 0·041	− 43 3 9·7	− 16·616	+ 0·31	96·47	5		42·6642
85	6·1	14 30 27·32	+ 3·7513	+ 0·036	− 39 46 28·7	− 15·880	+ 0·34	96·39	3	G.Z S. c. t.	39·6374
86*	8·6‡	14 48 11·02	+ 7·1194	+ 0 371	− 77 31 51·6	− 14·889	+ 0·70	99·46	2	Z. g.	77·1030
87	9 5*	15 10 50·76	+ 4·1085	+ 0·043	− 46 20 47·7	− 13·490	+ 0·45	96·46	5	Z.	46·7314
88	9·5*	16 9 17·75	+ 4·4333	+ 0·037	− 48 59 26·0	− 9·312	+ 0·58	96·58	4	Z.	48·8295
89	9·5*	16 20 7·00	+ 5·8665	+ 0·088	− 66 33 35·1	− 8·464	+ 0·78	98·45	2		66·2962
90	8·0*	16 21 0·37	+ 3·6651	+ 0·015	− 26 1 51·4	− 8·393	+ 0·49	99·59	3	G.Z. b	25·5794

46. $7^m·1$. $7^m·1$ 2″·2 138°. Mass observed.
59. $6^m·4$, $6^m·4$ 1″·0 88°. Mass observed.

60, 79, 80, 83, 86. Magnitude from Cape observations.

No.	Mag.	Mean R.A. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Mean Dec. 1900·0.	Precession 1900·0.	Sec. Var. 1900·0.	Mean Date.	No. of Obs.	Remarks.	C.P.D.
		h m s	s	s	° ′ ″	″	″	1800 +			°
91	6·5*	16 25 14·45	+ 3·6777	+ 0·015	− 26 19 11·6	− 8·055	+ 0·49	99·59	3	G.Z.S. π. μ.	26·5659
92*	7·9‡	16 41 17·87	+66·5285	+21·426	− 88 51 49·7	− 6·749	+ 9·14	99·62	3	g.	88·147
93	9·0*	16 48 0·13	+ 4·1744	+ 0·019	− 40 55 41·9	− 6·195	+ 0·58	96·57	4	Z.	40·7598
94	9·5*	16 53 36·54	+ 3·6405	+ 0·010	− 23 55 31·1	− 5·727	+ 0·51	96·57	4	Z.	23·6445
95	8·3†	17 1 52·24	+ 3·5196	+ 0·008	− 19 4 18·4	− 5·031	+ 0·50	96·54	5	C. b. m. l.	19·6117
96	7·6	17 6 4	+30·5910	+ 2·781	− 87 17 46·6	− 4·674	+ 4·34	96·51	2	G.S. g.	87·267
97	9·0*	17 47 51·68	+ 4·7821	+ 0·006	− 52 1 35·8	− 1·062	+ 0·70	96·61	5	Z.	52·10922
98	9·5*	18 18 9·55	+ 4·4915	− 0·004	− 46 48 37·2	− 1·586	+ 0·65	96·60	5	Z.	46·9298
99*	10·0‡	18 29 1·25	+ 6·4064	− 0·031	− 68 18 55·9	+ 2·531	+ 0·93	97·65	2		68·3156
100*	9·5‡	18 39 31·10	+ 6·0797	− 0·036	− 66 21 23·1	+ 3·439	+ 0·87	97·65	2	g.	66·3396
101	9·0*	18 54 17·39	+ 4·7848	− 0·021	− 52 48 53·3	+ 4·704	+ 0·68	96·64	5	Z.	52·11330
102	9·0†	18 58 2·86	+ 3·5584	− 0·005	− 20 35 24·7	+ 5·024	+ 0·50	96·64	5	a.	20·7045
103	9·0*	19 10 14·58	+ 4·0053	− 0·013	− 36 12 49·5	+ 6·049	+ 0·56	96·69	5	Z.	36·8820
104*	8·8‡	19 25 8·82	+ 3·4521	− 0·007	− 16 57 44·1	+ 7·278	+ 0·47	99·73	2		...
105	8·5*	19 34 32·51	+ 4·5487	− 0·032	− 50 19 46·3	+ 8·036	+ 0·60	96·72	5	Z.	50·11156
106*	9·0‡	19 38 7·87	+ 4·1050	− 0·021	− 40 20 41·6	+ 8·324	+ 0·54	97·65	2		40·9089
107	9·5*	19 40 7·08	+ 3·6605	− 0·012	− 25 54 23·5	+ 8·481	+ 0·48	96·72	5	Z.	25·6899
108	9·5*	19 40 49·79	+ 4·0604	− 0·021	− 39 15 13·1	+ 8·538	+ 0·53	97·65	2	Z.	39·8533
109	8·5*	19 41 49·52	+ 3·9130	− 0·017	− 34 51 47·0	+ 8·616	+ 0·51	97·67	2	Z.	34·8514
110	8·0*	19 44 45·57	+ 3·9297	− 0·018	− 35 33 48·0	+ 8·847	+ 0·51	97·67	2	Z.	35·8667
111*	8·7*	19 47 9·17	+ 3·7758	− 0·015	− 30 31 33·6	+ 9·035	+ 0·49	97·67	2	Z. a. m.	30·6131
112*	6·6*	19 55 32·30	+ 5·9089	− 0·104	− 67 34 53·7	+ 9·683	+ 0·75	99·67	2	G.Z.S. g. μ_α +0ˢ·186, μ_δ −0″·67.	67·3703
113	7·2*	20 0 50·24	+ 3·9059	− 0·021	− 35 49 11·0	+ 10·086	+ 0·49	96·73	3	G.Z.S.	35·8736
114	9·0*	20 1 1·37	+ 4·5319	− 0·041	− 51 39 28·8	+ 10·100	+ 0·57	96·73	4	Z.	51·11426
115	9·0*	20 6 34·00	+ 4·4094	− 0·039	− 49 36 19·6	+ 10·517	+ 0·54	96·73	5	Z.	49·11180
116*	9·3‡	20 11 52·57	+ 3·8021	− 0·020	− 33 16 27·4	+ 10·910	+ 0·46	98·64	2		33·5830
117	6·5*	20 20 24·39	+ 3·9182	− 0·025	− 37 43 35·1	+ 11·528	+ 0·46	96·76	4	G.Z.S. t. π.	37·8811
118	9·5*	20 48 26·06	+ 3·5609	− 0·018	− 26 13 58·9	+ 13·442	+ 0·38	96·76	4 5	Z.	26·7127
119*	9·0‡	20 55 56·35	+ 3·7318	− 0·026	− 34 26 34·3	+ 13·921	+ 0·39	97·47	8		34·8843
120	9·6†	21 8 38·73	+ 3·8128	− 0·031	− 39 10 35·9	+ 14·700	+ 0·37	96·78	4		39·8910
121*	6·9*	21 10 47·17	+ 4·7470	− 0·091	− 61 45 32·1	+ 14·826	+ 0·46	99·70	2	G.Z.S. μ_α +0ˢ·073, μ_δ −0″·44.	61·6537
122	10*	21 14 9·93	+ 4·4491	− 0·071	− 57 16 23·0	+ 15·024	+ 0·42	96·77	3	G. k.	57·9833
123	8·0*	21 25 42·54	+ 3·9873	− 0·045	− 47 40 24·7	+ 15·672	+ 0·36	96·78	4	Z.	47·9710
124	6·1	21 30 48·49	+ 3·6082	− 0·026	− 33 29 42·7	+ 15·947	+ 0·31	96·78	3	7 Piscis Aust. μ_α +0ˢ·0017, μ_δ +0″·03.	33·6163
125	10·0*	21 36 3·36	+ 3·8605	− 0·041	− 45 6 16·2	+ 16·221	+ 0·32	96·79	3	Z.	45·10182
126	9·8†	21 49 18·89	+ 3·7181	− 0·036	− 41 50 4·6	+ 16·875	+ 0·29	96·79	2		41·9727
127	9·5*	21 49 22·64	+ 3·7178	− 0·036	− 41 49 54·2	+ 16·878	+ 0·29	96·78	3	G.Z.	41·9728
128	7·5*	21 56 29·81	+ 3·5764	− 0·029	− 36 18 55·2	+ 17·206	+ 0·26	96·78	5	G.Z	36·9512
129*	9·0‡	22 5 54·57	+34·5136	−27·746	− 88 50 11·8	+ 17·611	+ 2·40	99·74	3	g.	88·192
130	6·7*	22 11 26·09	+ 3·3391	− 0·017	− 23 38 13·4	+ 17·839	+ 0·21	96·77	3	G.Z.S. a. l.	23·8132
131	9·0	22 13 53·70	+ 6·3601	− 0·467	− 79 42 38·8	+ 17·937	+ 0·41	96·74	1	G.Z.S. g.	79·1198
132	6·2	22 30 6·45	+ 3·3052	− 0·017	− 24 30 29·2	+ 18·524	+ 0·18	96·75	2	G.Z.S. l. π.	24·7365
133	8·0*	22 32 34·80	+ 3·3364	− 0·020	− 27 57 48·1	+ 18·606	+ 0·17	96·81	5	G.Z.W. l. π.	28·7619
134	6·8*	23 4 24·47	+ 3·6539	− 0·074	− 61 6 21·5	+ 19·460	+ 0·12	96·79	2	G.Z.S. c. r.	61·6727

92, 129. Magnitude from Gilliss.
99, 100, 106, 116, 119. Magnitude from Cape observations.
104. Magnitude from B.D.

111. $8^m·7$, $9^m·2$ 6″ 155°. *pr.* observed.
112, 121. Proper Motion from *Cincinnati Publications No.* 12.

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